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NUMBER 1
OCTOBER 1962

Amherst College Bulletin

CATALOG 1962—1963

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Amherst College Bulletin

CATALOG 1962–1963

VOLUME 52 OCTOBER 1962 NUMBER 1

This is Amherst, an illustrated booklet describing life at Amherst College, and *Costs and Financial Aid at Amherst* are available on request from the Dean of Admission.

AMHERST COLLEGE BULLETIN

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1962

JULY

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College Calendar

1962

Sept. 23	*Sunday*, 2:00 p.m.	Opening College Convocation
Sept. 24	*Monday*, 8:00 a.m.	Beginning of Classes
Oct. 20	*Saturday*	Parents Day
Oct. 27	*Saturday* (a holiday)	Wesleyan Football Game at Middletown
Nov. 17	*Saturday* (a holiday)	Williams Football Game
Nov. 21	*Wednesday*, 12:50 p.m.	Beginning of Thanksgiving Recess
Nov. 26	*Monday*, 8:00 a.m.	End of Thanksgiving Recess
Dec. 15	*Saturday*, 11:50 a.m.	Beginning of Christmas Recess

1963

Jan. 3	*Thursday*, 8:00 a.m.	End of Christmas Recess
Jan. 21 through Jan. 26	*Monday* through *Saturday*	First Semester Examination Period
Jan. 31	*Thursday*, 8:00 a.m.	Beginning of Second Semester
Mar. 20	*Wednesday*, 5:00 p.m.	End of Classes before Spring Recess
Mar. 23	*Saturday*	End of Fraternity Rushing Period
Apr. 8	*Monday*, 8:00 a.m.	End of Spring Recess
May 11	*Saturday* (a holiday)	Dance Holiday
June 3 through June 8	*Monday* through *Saturday*	Second Semester Examination Period
June 16	*Sunday*	Commencement
Sept. 22	*Sunday*, 2:00 p.m.	Opening College Convocation
Sept. 23	*Monday*, 8:00 a.m.	Beginning of Classes
Oct. 26	*Saturday* (a holiday)	Wesleyan Football Game
Nov. 16	*Saturday* (a holiday)	Williams Football Game at Williamstown
Nov. 27	*Wednesday*, 12:50 p.m.	Beginning of Thanksgiving Recess
Dec. 2	*Monday*, 8:00 a.m.	End of Thanksgiving Recess
Dec. 18	*Wednesday*, 12:50 p.m.	Beginning of Christmas Recess

1964

Jan. 2	*Thursday*, 8:00 a.m.	End of Christmas Recess
Jan. 20 through Jan. 25	*Monday* through *Saturday*	First Semester Examination Period
Jan. 30	*Thursday*, 8:00 a.m.	Beginning of Second Semester
Mar. 18	*Wednesday*, 5:00 p.m.	End of Classes before Spring Recess
Mar. 21	*Saturday*	End of Fraternity Rushing Period
April 6	*Monday*, 8:00 a.m.	End of Spring Recess
May 16	*Saturday* (a holiday)	Dance Holiday
June 1 through June 6	*Monday* through *Saturday*	Second Semester Examination Period
June 14	*Sunday*	Commencement

The calendar for the academic year 1963–64 is subject to change.

The Corporation

John Jay McCloy, LL.B., LL.D.	New York, N. Y.
Chairman of the Corporation	
Calvin Hastings Plimpton, M.D., M.A., D.M.S., LL.D.	Amherst, Mass.
President of the College	
Paul Dyess Weathers, M.B.A.	Amherst, Mass.
Treasurer of the Corporation	
Eustace Seligman, LL.B.	New York, N. Y.
Frank Learoyd Boyden, SC.D., PD.D., LITT.D., L.H.D., LL.D.	Deerfield, Mass.
Henry Selden Kingman, B.A.	Minneapolis, Minn.
Francis Taylor Pearsons Plimpton, LL.B., LL.D.	New York, N. Y.
Charles Belcher Rugg, M.A., LL.B.	Boston, Mass.
Julius Seelye Bixler, PH.D., D.D., L.H.D., LL.D., D.C.L.	Jaffrey, N. H.
Kendall Bush DeBevoise, LL.B.	New York, N. Y.
Walter Gellhorn, LL.B., L.H.D.	New York, N. Y.
Oliver Boutwell Merrill, LL.B.	New York, N. Y.
*Stanley Ferdinand Teele, M.B.A., D.C.S., L.H.D.	Boston, Mass.
*Jesse McLane Trotter, B.D., D.D.	Alexandria, Va.
*John Anthony Hill, LL.B.	New York, N. Y.
*Frederic Murray Hadley, B.A.	Indianapolis, Ind.
*Alfred Friendly, L.H.D.	Washington, D. C.
*William Henry Hastie, M.A., LL.B., LL.D.	Philadelphia, Pa.

James Alfred Guest, LL.B.	Amherst, Mass.
Secretary of the Corporation	

TRUSTEES EMERITI†

Robert Washburn Maynard, LL.B.	Boston, Mass.
Arthur Lee Kinsolving, D.D.	New York, N. Y.
Lewis Williams Douglas, LL.D.	Phoenix, Ariz.
Arthur Fairbanks Ells, LL.D.	Litchfield, Conn.

* *The terms of the Alumni Trustees expire as follows:* Stanley Ferdinand Teele, *1963;* Jesse McLane Trotter, *1964;* John Anthony Hill, *1965;* Frederic Murray Hadley, *1966;* Alfred Friendly, *1967,* William Henry Hastie, 1968.

†*A life trustee who resigns shall be eligible for election by the Board of Trustees as trustee emeritus if in the opinion of the Board of Trustees he shall have rendered outstanding service to the College during his trusteeship. A trustee emeritus shall have all the privileges of a member of the Board, including the privilege of serving on standing committees, but shall not vote at the meetings of the Board. The trustees emeriti shall retain the processional order which they held at the time of their retirement. (Adopted by the Board of Trustees of Amherst College, January 17, 1943 and amended Oct. 17, 1953.)*

Committees of the Corporation *

The Chairman of the Corporation and the President of the College are members, *ex officiis*, of all committees.

Executive Committee: Messrs. DeBevoise, Ells, Gellhorn, Hadley, Kingman, Plimpton, Rugg, Seligman (Chairman), Teele.

Budget and Finance Committee: Messrs. DeBevoise, Hadley, Hill, Kingman, Merrill, Plimpton, Seligman, Teele (Chairman), Weathers.

Investment Committee: Messrs. Hadley, Kingman (Chairman), Merrill, Plimpton, Rugg, Teele, Weathers.

Instruction Committee: Messrs. Bixler, Boyden, DeBevoise, Friendly, Gellhorn, Plimpton (Chairman), Seligman, Teele, Trotter.

Buildings and Grounds Committee: Messrs. Bixler, Boyden, DeBevoise (Chairman), Hadley, Hill, Kingman, Merrill, Weathers.

Honorary Degrees Committee: Messrs. Bixler, Boyden, Ells, Friendly, Rugg (Chairman), Teele, Trotter.

Folger Shakespeare Library Committee: Messrs. Bixler, Friendly, Plimpton, Seligman (Chairman), Trotter, Weathers.

Joseph B. Eastman Foundation Committee: Messrs. DeBevoise, Kingman, Rugg (Chairman), Seligman.

Committee on Fraternities: Messrs. Bixler, DeBevoise, Ells, Gellhorn (Chairman), Merrill, Rugg, Trotter.

Merrill Center for Economics Committee: Messrs. Hadley, Plimpton, Seligman (Chairman), Teele.

Compensation Committee: Messrs. Hadley, (Chairman), Hill, Kingman, Plimpton, Seligman, Teele, Weathers.

* *The committee listings are for 1961–62. The Corporation organizes itself at its annual fall meeting.*

Faculty

CALVIN HASTINGS PLIMPTON — *President of the College*
B.A. (1939) Amherst College; M.D. (1943) Harvard University; MED. SC.D. (1951) Columbia University; LL.D. (1960) Williams College; LL.D. (1961) Wesleyan University; SC.D. (1962) Rockford College; LL.D. (1962) Doshisha University.

CHARLES SCOTT PORTER — *Dean of the College*
B.A. (1919) Amherst College; M.A. (1922) Clark University; L.H.D. (1956) Amherst College.

EUGENE SMITH WILSON — *Dean of Admission*
B.A. (1929) Amherst College.

WILLIAM LAMSON SWARTZBAUGH — *Associate Dean*
B.A. (1944) Dartmouth College; B.D. (1949) Yale University; M.A. (1952), PH.D. (1957) Ohio State University.

JOHN CUSHING ESTY, JR. — *Associate Dean*
B.A. (1950) Amherst College; M.A. (1951) Yale University.

CORTLAND VAN RENSSELAER HALSEY — *Associate Dean of Admission*
B.A. (1950) Rutgers University; M.A. (1952) University of Rhode Island; PH.D. (1956) University of Pennsylvania.

ROBERT FREEMAN GROSE — *Registrar*
B.A. (1944); M.S. (1947), PH.D. (1953) Yale University.

GEORGE ROY ELLIOTT
Professor of English on the Henry C. Folger Foundation, Emeritus
B.A. (1904) University of Toronto; PH.D. (1908) Jena University; LITT.D. (1925) Bowdoin College; M.A. (hon. 1934) Amherst College.

STEWART LEE GARRISON — *Professor of Public Speaking, Emeritus*
B.A. (1912), M.A. (1930) Harvard University; M.A. (hon. 1940) Amherst College.

WARREN KIMBALL GREEN — *Professor of Astronomy Emeritus*
B.A. (1913), M.A. (1914) Harvard University; PH.D. (1916) University of California; M.A. (hon. 1934) Amherst College.

MICHAEL JOSEPH KENNEDY *Associate Professor of Physical Education, Emeritus*

MANFORD VAUGHN KERN — *Associate Professor of the Classics, Emeritus*
B.A. (1918) William Jewell College; M.A. (1921) Indiana University; M.A. (1930) Princeton University.

STERLING POWER LAMPRECHT
Professor of Philosophy on the Emily C. Jordan Folger Foundation, Emeritus
B.A. (1911) Williams College; M.A. (1912) Harvard University; B.D. (1915) Union Theological Seminary; PH.D. (1918) Columbia University; M.A. (hon. 1934) Amherst College.

KARL LOEWENSTEIN *William Nelson Cromwell Professor of Jurisprudence and Political Science, Emeritus*
B.L. (1914), D.C.L. (1919) University of Munich; M.A. (hon. 1940) Amherst College.

OTTO MANTHEY-ZORN
Professor of German on the Emily C. Jordan Folger Foundation, Emeritus
B.A. (1901) Adelbert College; PH.D. (1904) University of Leipzig; M.A. (hon. 1923) Amherst College.

ALLISON WILSON MARSH
Professor of Hygiene and Physical Education, Emeritus
B.A. (1913) Amherst College; M.ED. (1925) Harvard University.

HAROLD HENRY PLOUGH *Edward S. Harkness Professor of Biology, Emeritus*
B.A. (1913) Amherst College; M.A. (1915), PH.D. (1917) Columbia University.

WILLIAM TINGLE ROWLAND *Professor of Latin, Emeritus*
B.A. (1902) Kentucky Wesleyan University; M.A. (1907) Vanderbilt University; PH.D. (1918) Columbia University; M.A. (hon. 1934) Amherst College.

CHARLES HANSEN TOLL *Professor of Philosophy and Psychology, Emeritus*
B.A. (1904) Hamilton College; M.A. (1905) Harvard University; PH.D. (1909) University of Freiburg; M.A. (hon. 1934) Amherst College.

RALPH COPLESTONE WILLIAMS *Professor of French, Emeritus*
B.A. (1908), PH.D. (1917) The Johns Hopkins University; M.A. (hon. 1934) Amherst College.

The Faculty is Arranged in Rank

ROBERT FROST *Simpson Lecturer in Literature*
M.A. (hon. 1918) Amherst College, (hon. 1922) University of Michigan; L.H.D. (1923) University of Vermont, (1931) Wesleyan University, (1932) Williams College, (1936) St. Lawrence University, University of Pennsylvania, Bates College; (1957) Ohio State University, (1959) Miami University (Ohio), LITT.D. (1924) Middlebury College, Yale University, (1932) Columbia University, (1933) Dartmouth College, (1937) Harvard University, (1939) University of Colorado, (1941) Princeton University, (1948) Duke University, Amherst College, (1950) Marlboro College, Colgate University, (1951) University of Massachusetts, (1952) University of Durham (England), (1953) University of North Carolina, (1955) University of Rhode Island, (1957) Oxford University, Cambridge University, University of Ireland, (1959) Syracuse University, Tufts University, (1960) Hebrew Union College, (1961) Windham College, Boston University; LL.D. (1945) Kenyon College, (1947) University of California, (1954) University of Cincinnati, (1955) Dartmouth College, (1956) Colby College, (1961) University of Miami (Florida), (1962) College of Wooster, University of Michigan.

*Arnold Boris Arons *Professor of Physics*
M.E. (1937), M.S. (1940) Stevens Institute of Technology; PH.D. (1943) Harvard University; M.A. (hon. 1953) Amherst College.

George William Bain
Samuel A. Hitchcock Professor of Mineralogy and Geology
B.SC. (1921), M.SC. (1923) McGill University; M.A. (1923), PH.D. (1927) Columbia University; M.A. (hon. 1941) Amherst College.

‡Theodore Baird *Samuel Williston Professor of English*
B.A. (1920) Hobart College; M.A. (1922), PH.D. (1929) Harvard University; M.A. (hon. 1939) Amherst College.

Ralph Alonzo Beebe *Massachusetts Professor of Chemistry*
B.A. (1920) Amherst College; PH.D. (1923) Princeton University.

Bruce Buzzell Benson *Professor of Physics*
B.A. (1943) Amherst College; M.S. (1945), PH.D. (1947) Yale University.

†Robert Hermann Breusch *Professor of Mathematics*
PH.D. (1932) University of Freiburg; M.A. (hon. 1954) Amherst College.

‡Bailey LeFevre Brown *Professor of Mathematics*
B.A. (1924) Amherst College; M.A. (1925) Princeton University.

Stephen Brown *College Physician & Parmly Billings Professor of Hygiene*
B.A. (1928) Amherst College; M.D. (1932) Yale University.

†Henry Steele Commager
Winthrop H. Smith Professor of American History and American Studies
PH.B. (1923), M.A. (1924), PH.D. (1928) University of Chicago; M.A. (hon. 1947) Cambridge, (1952) Oxford; LITT.D. Washington College, Michigan State, Monmouth College; ED.D. Rhode Island School of Education; LL.D. Ohio Wesleyan University, Brandeis University D.H.L. (1962) University of Hartford; LITT.D. (1962) Franklin and Marshall College.

Haskell Robert Coplin *Professor of Psychology and Student Counselor*
B.A. (1947), M.A. (1948), PH.D. (1951) University of Michigan; M.A. (hon. 1957) Amherst College.

George Armour Craig *Professor of English*
B.A. (1937) Amherst College; M.A. (1938), PH.D. (1947) Harvard University.

Benjamin Haile DeMott *Professor of English*
B.A. (1949) George Washington University; M.A. (1950), PH.D. (1953) Harvard University; M.A. (hon. 1960) Amherst College.

Paul Witherspoon Eckley *Professor of Physical Education*
B.A. (1917) Cornell University; M.A. (hon. 1949) Amherst College.

Joseph Epstein *Professor of Philosophy*
B.S.S. (1939) City College of New York; PH.D. (1951) Columbia University; M.A. (hon. 1961) Amherst College.

Reginald Foster French *Professor of Romance Language*
B.A. (1927) Dartmouth College; M.A. (1928), PH.D. (1934), Harvard University; M.A. (hon. 1947) Amherst College.

** On leave 1962–63.* *†On leave first semester.* *‡ On leave second semester.*

GEORGE BANKS FUNNELL *Professor of French*
B.A. (1924) Amherst College; M.A. (1928) Harvard University.

ALFRED FREEMAN HAVIGHURST *Professor of History*
B.A. (1925) Ohio Wesleyan University; M.A. (1928) University of Chicago; PH.D. (1936) Harvard University; M.A. (hon. 1955) Amherst College.

GEORGE ROLFE HUMPHRIES *Lecturer in English*
B.A. (1915) Amherst College; M.A. (hon. 1950) Amherst College.

ERNEST ALFRED JOHNSON *Professor of Romance Languages*
B.A. Amherst College (1939); M.A. (1940) University of Chicago; M.A. (1941), PH.D. (1950) Harvard University.

†GAIL KENNEDY *Henry C. Folger Professor of Philosophy*
B.A. (1922) University of Minnesota; PH.D. (1928) Columbia University; M.A. (hon. 1940) Amherst College.

WILLIAM ELMER KENNICK *Professor of Philosophy*
B.A. (1945) Oberlin College; PH.D. (1952) Cornell University; M.A. (hon. 1962) Amherst College.

GEORGE WALLACE KIDDER *Stone Professor of Biology*
B.A. (1926) University of Oregon; M.A. (1929) University of California; PH.D. (1932) Columbia University; M.A. (hon. 1949) Amherst College; SC.D. (hon. 1950) Wesleyan University.

THEODORE KOESTER *Professor of Psychology*
B.A. (1936) Wesleyan University; B.D. (1942) Hartford Theological Seminary; PH.D. (1945) Columbia University; M.A. (hon. 1950) Amherst College.

EARL LATHAM *Joseph B. Eastman Professor of Political Science*
B.A. (1931), PH.D. (1939) Harvard University; M.A. (hon. 1949) Amherst College.

ALBERT PAUL LINNELL *Professor of Astronomy*
B.A. (1943) College of Wooster; PH.D. (1950) Harvard University; M.A. (hon. 1962) Amherst College.

ALBERT ERNEST LUMLEY *Professor of Physical Education*
B.S. (1925) Eastern Michigan College; M.A. (1938) Oberlin College; M.A. (hon. 1947) Amherst College.

LEO MARX *Professor of English and American Studies*
B.S. (1941), PH.D. (1949) Harvard University; M.A. (hon. 1959) Amherst College.

RALPH CLELAND MCGOUN, JR. *Professor of Dramatic Arts*
B.A. (1927), M.A. (1929) Amherst College.

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ANA MARIA GALVIN	*Spanish*
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NICHOLAS S. P. KING	*Physics*
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Newton Felch McKeon, Jr., b.a.	*Director*
Ebenezer Porter Dickinson	*Reference Librarian*
Ruth Marie Erit, b.a.	*Order Librarian*
Nancy Lemen, b.a., a.m.l.s.	*Assistant Cataloguer*
Gladys Jones Mack, b.a., b.l.s.	*Head of Circulation*
Floyd Samuel Merritt, m.a.	*Administrative Assistant*
Elinor Richards, b.a.	*Assistant Cataloguer*
Richard John Stanewick, b.s.	*Reference Assistant*
Cynthia Furneaux Tucker, b.s.	*Chief Cataloguer*

Mead Art Building

Charles Hill Morgan, ph.d.	*Director*
Charles Ensign Rogers, m.a.	*Assistant Director*
Margaret Cecilia Toole, b.a.	*Assistant Curator of Painting*

ADVISORY COMMITTEE ON ACQUISITIONS

Louisa Dresser, b.a. — *Worcester, Mass.*
Curator, Worcester Art Museum

Arthur William Heintzelman — *Marblehead, Mass.*
Curator of Prints, Boston Public Library

Robert G. McIntyre — *Dorset, Vermont*
Retired Director, MacBeth Gallery, New York

Charles Hill Morgan, ph.d., l.h.d. — *Amherst, Mass.*
Professor of Fine Arts on the William R. Mead Foundation

Daniel Cotton Rich, ph.d. — *Worcester, Mass.*
Director, Worcester Art Museum

Charles Henry Sawyer, m.a., l.h.d. — *Ann Arbor, Michigan*
Professor of Fine Arts, University of Michigan

Calvin Hastings Plimpton, m.d., ll.d. — *Amherst, Mass.*
President of the College, ex officio

Kirby Memorial Theater

Walter Leroy Boughton, m.f.a.	*Director*
Charles Ensign Rogers, m.a.	*Designer*
Ralph Cleland McGoun, Jr., m.a.	*Technical Director*

The Pratt Museum of Geology

George William Bain, ph.d.	*Curator*
Albert Elmer Wood, ph.d.	*Associate Curator*
Gerald Patrick Brophy, ph.d.	*Associate Curator*

Edward Hitchcock Memorial Room

RENA MARY DURKAN — *Curator*

Amherst College Wildlife Sanctuary

WALTER CHARLES MARKERT, B.S. — *Director*

Mabel Loomis Todd Forest

LINCOLN PIERSON BROWER, PH.D. — *Curator*

Snell Museum of Physics

THEODORE SOLLER, PH.D. — *Director*

Religious Advisers

REV. JAMES CLARK, B.D.	*Advisor on Religious Activities*
RICHMOND K. GREENE	*Religious Advisor to Protestant Students*
REV. DAVID J. POWER	*Religious Advisor to Catholic Students*
REV. J. JOSEPH QUIGLEY	*Religious Advisor to Catholic Students*
RABBI LOUIS RUCHAMES, PH.D.	*Religious Advisor to Jewish Students*

Advisor on Charitable Fund Awards

FRANK LEAROYD BOYDEN, SC.D., PH.D., LITT.D., L.H.D., LL.D.

Amherst College

Since its beginning in 1821, Amherst has been an independent liberal arts college. Its founders dedicated the College to "the education of indigent young men of piety and talents for the Christian ministry," but Amherst was never associated formally with any church or sect. Its charter, granted by the Commonwealth of Massachusetts in 1825, simply commits the College to "the education of youth" and bars tests of religion in choosing students or faculty.

As a men's liberal arts college offering only the undergraduate bachelor of arts degree, Amherst is dedicated to general education in the humanities, the natural sciences, and the social sciences. Its curriculum, originally based on classical standards, has never been vocational in nature. It now attempts to combine a broad comprehensive education with the study of some field in depth. Amherst urges participation and apprenticeship for its students in all areas—academic, athletic, and extra-curricular—with the general intent of encouraging each individual to use his own skills, to develop new ones, and to make active use of his knowledge. Premised on the idea that, in the long run, man can only be given the chance to educate himself, Amherst's program is a series of challenges which demand serious effort on the part of each student.

The goal of a liberal arts program like Amherst's is to awaken in each student a love and respect for learning. Since many young men graduating from college today will probably enter areas of endeavor which have not yet even been discovered, Amherst tries to make its students familiar with a variety of disciplines and able to deal with problems in a broad spectrum of fields. Such studies should prepare each man to understand areas other than his own; they should enable the future scientist to communicate with the humanist, the humanist with the scientist. Thus the first two years of the Amherst program are devoted to an introduction to the major disciplines. Certain specific courses are required of all freshmen and sophomores. Among these are mathematics, physics, history, humanities, and English composition in the freshman year, and an additional year of another science and American Studies for sophomores. These courses are taught not to survey the subjects covered, but to make the student aware of the methods and problems associated with a particular field. Ideally he should learn how an historian or a scientist thinks. Some students are granted advanced placement on entrance, but since the faculty of the College believes in a common educational experience for all freshmen and sophomores, students in each of the first two years generally find themselves working on the same problems and assignments at the same time. Thus education is not confined to the classroom but continues in dormitories and at the dinner table.

As undergraduates become upperclassmen they choose a field for their major subject. They continue, however, to elect a certain number of courses outside their major field. About half of Amherst's seniors engage

in honors work which includes independent research, often at the frontiers of knowledge, and the preparation of a learned thesis. Many students also engage in other independent work—always under the general direction of a faculty member—either as part of their regular courses or under Amherst's program of independent reading, described in course offerings on page 51.

The College's faculty, drawn from many specialties and representing a great diversity of backgrounds and interests, is engaged in two primary activities: first, the education of undergraduates and, second, research and writing. Amherst's classes run from large lectures of two hundred or more to small groups of less than five students. About 80 per cent of the classes and sections have 25 students or less. Faculty members are easily accessible to undergraduates. Most of them, however, are not engaged in feeding data to the student, but in demonstrating methods, in asking questions, in preparing him to educate himself not only in college but also during the many years thereafter.

Founded by men like Noah Webster and Samuel Fowler Dickinson, grandfather of the poet Emily, Amherst received its initial support from many citizens of the town from which it takes its name. It has had a long association with the surrounding community, particularly with such poets and writers as Emily Dickinson, Helen Hunt Jackson, David Grayson, and Robert Frost. But the College is also associated with universal traditions of scholarship and learning. Its faculty holds degrees from institutions of higher learning all over the world and its students come from all parts of the United States and many foreign countries. Among Amherst's alumni are a former president of the United States, a chief justice of the Supreme Court, cabinet officers, ambassadors, businessmen, teachers, scientists, poets, and many less distinguished citizens who have contributed to their communities and professions in significant but unheralded ways.

The Amherst campus is located on a hill just south of the town common; campus and common run together and are hard to distinguish at first glance. The surrounding area is characterized by apple orchards and tobacco farms lying on the flat land of the Connecticut Valley and by ranges of hills to the south and east. Within a short walk are wooded hills, trails, and by-roads whose names date from another age in the life of New England; Rattlesnake Road, Juggler Meadow Road, the Orient. A short drive takes one to Deerfield and Bloody Brook, Pelham and Daniel Shays Highway, Northampton and Jonathan Edwards. A few miles away are three other institutions of higher learning: Smith and Mount Holyoke Colleges and the University of Massachusetts with whom Amherst engages in a number of cooperative education ventures. These are described on page 53.

With an endowment of some $40,000,000, the College is equipped with a library of over 330,000 volumes, science laboratories, theater, gymnasium, swimming pool, and playing fields, squash and tennis courts, a museum of fine arts, a central dining commons where all students eat, dormitories, and

classroom buildings. Amherst has a wildlife sanctuary and a forest for the study of natural life, an observatory and planetarium, and equipment for studies in low temperature physics. It offers the student a chance to conduct research with a source of radioactive cobalt or to work in a modern experimental psychology laboratory equipped with closed circuit television and automatic measuring devices; the student has access to a large selection of American paintings in the College's art collection; he studies foreign languages with native speakers and in a modern language laboratory. During the course of each year he can hear such visitors as Robert Frost, Linus Pauling, Pierre Mendes-France, and Aaron Copeland. From time to time he can chat personally with visiting lecturers. The College also offers him several formal concerts each year and the opportunity for individual instrumental instruction. There is an active program of theatrical productions, schedules of foreign films, debates, and many other events, both at Amherst and at the neighboring institutions.

In extra-curricular activities the student has many chances to use his skills and follow his interests and to develop new skills. Amherst has a full program of intercollegiate athletics in most sports. Every freshman and sophomore is required to take part in a program of physical education designed to improve his fitness and to allow him to participate in team and recreational sports. In addition, about 90 percent of the students participate in an organized program of intramural sports. Amherst undergraduates also maintain a variety of non-athletic extra-curricular activities; a newspaper, yearbook, literary magazine, FM radio station, band, glee club and other smaller singing groups, a symphony orchestra (in conjunction with Smith College), a dramatic organization, and specialized clubs for those interested in such varied things as hiking, debating, medicine, law, or the discussion of current issues. The Christian Association and other religious groups, working independently or through the College chaplains and religious advisors, maintain a program of worship services, Bible study, community service projects and other activities.

Most Amherst undergraduates join one of the thirteen social fraternities at the end of their freshman year. These organizations provide housing for many of their members and are the focus of social life for upperclassmen. Freshmen live together in the same dormitories and maintain their own social activities. Since 1946 Amherst fracternities have been required to choose members without consideration of race or religion, and since 1951 every Amherst student who has wanted to join a fraternity has had the opportunity to do so.

The College's deans, medical staff, student counselor, chaplains, and faculty advisors are prepared to give each undergraduate whatever assistance he requires. When possible, however, the undergraduate is encouraged to seek solutions to his own problems. Nevertheless, Amherst undergraduates generally find most members of the faculty and administration easily accessible, either at their offices, after class, or simply in passing on the campus.

All Amherst undergraduates subscribe to an honor code which makes them responsible for the intellectual honesty of their work. This is described elsewhere in this Catalog.

Amherst now has an enrollment of 1,000 but plans to grow to 1,200 in the next few years. The College also expects to construct a new music building, new dormitories, a new library, and other facilities to make its opportunities as ample as it possibly can.

Amherst, however, will remain small enough to maintain its sense of community, to give each individual a feeling of membership and involvement. A college is, finally, a community of scholars and learners and it is to this ideal that Amherst is essentially committed.

PRESIDENTS OF AMHERST COLLEGE

Rev. Zephaniah Swift Moore, d.d.	1821–1823
Rev. Heman Humphrey, d.d.	1823–1845
Rev. Edward Hitchcock, d.d., ll.d.	1954–1854
Rev. William Augustus Stearns, d.d., ll.d.	1854–1876
Rev. Julius Hawley Seelye, d.d., ll.d.	1876–1890
Merrill Edwards Gates, ph.d., ll.d., l.h.d.	1890–1899
Rev. George Harris, d.d., ll.d.	1899–1912
Alexander Meiklejohn, ph.d., ll.d.	1912–1924
George Daniel Olds, ll.d.	1924–1927
Arthur Stanley Pease, ph.d., ll.d.	1927–1932
Stanley King, ll.d.	1932–1946
Charles Woolsey Cole, ph.d., l.h.d., sc.d., litt.d., ll.d.	1946–1960
Calvin Hastings Plimpton, m.d., m.a., d.m.s., ll.d.	1960–

FOUR COLLEGE COOPERATION

Amherst, Mount Holyoke and Smith Colleges and the University of Massachusetts have combined their activities in certain areas to extend and enrich their educational resources and have worked out procedures for such cooperation. Any student in any of the four institutions may take courses for credit in any of the other three if he has the qualifications. (See page 53). Catalogues of courses at the other institutions are at the loan desk of each library and in the offices of department chairmen.

The oldest cooperative venture is the Hampshire Inter-Library Center (HILC) located now in the Goodell Library at the University. HILC, a separate legal entity, is a depository for research materials and learned journals which are beyond the reach of any of the four libraries operating independently. An FM radio station (WFCR, 88.5 mc.) is run cooperatively through the Western Massachusetts Broadcasting Council composed of representatives of the four institutions. Other cooperative activities include a joint Astronomy Department; courses in the History of Science and in Non-Western studies; a Ph.D. program; a Film Center; a common calendar of events; a committee on transportation and a Coordinator for cooperative projects.

The Folger Shakespeare Library

By the will of the late Henry Clay Folger of the Class of 1879, there was bequeathed to the Trustees of Amherst College the Folger Shakespeare Library in Washington, D. C., together with an endowment for maintenance, later increased by the generosity of Mrs. Folger.

The building, located on East Capitol Street directly east of the Library of Congress, was erected at a cost of more than $2,000,000. Its endowment now stands at about $10,000,000, and its collections are valued at about $3,200,000. On the Library's main floor are: an Exhibition Gallery with displays of rare books, manuscripts, paintings, and miscellaneous curios and works of art; an Auditorium in the form of a reproduction of the interior of an Elizabethan playhouse; a large Reading Room, representing a Tudor Banqueting Hall and hung with early tapestries; four Vaults, containing the rarest portions of the collections; a Reception Room for social purposes; and Administration Offices. On the second floor are the working rooms of the Library's Accessions Department, the Catalogue Department, and offices for members of the staff. A Photographic Department is in the basement. Reading machines for microfilm are found in the stacks.

The Library concentrated its original collection largely upon the life, writings, and influence of William Shakespeare, but during the past two decades it has increased its rare books and manuscripts in related fields until today it has one of the largest collections in the world for the study of British history of the sixteenth and seventeenth centuries. Only the British Museum has a larger collection of early English books.

Under the plan of the Trustees of the College, in addition to maintaining its traditional interest in Shakespeare and English Renaissance literature, the Library is exploiting other fields as well. Efforts are made to expand it as an efficient laboratory of research and investigation. Aid and encouragement are given literary and historical scholars capable of making the most significant use of the Library's great collection of source materials. The Library has also developed reference collections which scholars require for the efficient utilization of rare books and manuscripts.

Research facilities of the Library are not open to casual visitors, but permission to use them may be obtained by qualified scholars upon application to the Director. Interested individuals and groups are cordially invited to visit the Folger's Exhibition Gallery.

FOLGER LIBRARY OFFICERS

Louis Booker Wright, ph.d., litt.d., l.h.d., ll.d.	*Director*
James Gilmer McManaway, ph.d.	*Consultant in Literature and Bibliography*
Giles Edwin Dawson, ph.d.	*Curator of Books and Manuscripts*
Philip A. Knachel, m.s.l.s., ph.d.	*Assistant Director*
Eleanor Pitcher	*Assistant to the Director*

Virginia A. LaMar	*Executive Secretary*
Lilly C. Stone, b.a.	*Chief Cataloguer*
Dorothy E. Mason, b.a., m.a.	*Reference Librarian*
Elaine Fowler, b.a.	*Reading Room Supervisor*

Doshisha University

Doshisha University in Kyoto, Japan, was founded by Joseph Hardy Neesima, of the Class of 1870, the first Japanese to graduate from a western college or university. Amherst has maintained a continuing and close relationship with Doshisha. More than twenty Amherst graduates have taught there and since 1922 Amherst has maintained a resident instructor at the Japanese University. Amherst House, a New England Georgian style residence, was built on the Doshisha campus as a memorial to Neesima. It serves as the residence of the Amherst representative, houses some twenty Doshisha students, and serves as a center for cultural exchange between students and faculty from East and West.

I

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Admission

GENERAL STATEMENT

Admission to Amherst College is competitive. The College attempts to select those applicants who seem qualified to benefit from the educational opportunities offered. The Committee on Admission, in judging the qualifications of applicants, pays particular attention to (1) academic performance in high school or independent school; (2) results of the College Entrance Examination Board scholastic aptitude and achievement tests; (3) the recommendation of the high school principal or headmaster; (4) evidence of industry and resolution; (5) the character, health, and extracurricular interests and achievements of the applicant. All freshmen admitted are candidates for the Bachelor of Arts degree.

HOW AND WHEN TO APPLY FOR ADMISSION

Correspondence regarding admission to the freshman class should be addressed to the Dean of Admission, Amherst College, Amherst, Massachusetts.

An applicant for admission to the freshman class must file a formal application with the Dean of Admission before March 1 of the year in which he expects to be admitted. Applicants for financial aid must file their applications before February 1. Under certain circumstances, later applications will be considered. The formal application should be accompanied by a check or money order for $10 made payable to *The Trustees of Amherst College.* This application fee will not be refunded if the student withdraws his application or if his application is not acted upon favorably.

A preliminary application may be filed at any time prior to the applicant's senior year. Once this preliminary application has been filed and acknowledged, the College assumes the responsibility of forwarding all formal application forms at the proper time. No priority is given to early applications.

Entering students are admitted only at the beginning of the regular college year in September.

Scholarship applicants should refer to pages 45–47.

Amherst has an early decision program; the details are available on request.

INTERVIEW HOURS

The Admission Office is open weekdays from 8:30 a.m. until 12:00 noon and 1:30 p.m. until 4:00 p.m. and on Saturdays from 8:30 a.m. until 12:00 noon, but through the summer months and until Labor Day, the Admission Office (and all administrative offices) will be closed on Saturdays. Where possible, applicants for admission are advised to visit the College and discuss their educational plans with an admission officer. Interviews are not required, however. *It is advisable to write for an appointment with an admission officer if you plan to visit the College.*

RECOMMENDED PREPARATION

The following minimum program of studies is recommended for students planning to enter Amherst College:

English	4 years
Mathematics	3 years
Foreign Language	2 years (3 or 4 years of one preferred)
History	1 year
Laboratory Science	1 year

It should be noted that the College stresses sound preparation in certain subjects which are important implements for the many branches of college work. English, mathematics (intermediate mathematics, emphasizing basic algebraic, geometric, and trigonometric concepts and deductive reasoning), and foreign language (ancient or modern or both) are the subjects in which entering students should show proficiency.

For graduation Amherst College requires competence (oral and written) in a foreign language, ancient or modern. For definition of competence see page 49. The phrase "satisfactory score" means 575 in the College Entrance Examination Board achievement tests.

In selecting a class, some preference is given to candidates who present the following programs in foreign language in the following order:

First preference—four years of one language;

Second preference—three years of one language;

Third Preference—two years each of two languages.

Candidates who apply from secondary schools which offer little or no language instruction will be judged by their other intellectual aptitudes and achievements and their readiness for the Amherst curriculum. Amherst College recommends, where possible, that a student continue to study the language he begins in secondary school through completion of the college requirement.

Students with particular interests may wish to modify the suggested program by taking more work in certain subjects and less in others. Such modification is wholly acceptable, provided there is evidence of adequate preparation in the basic fields of English, mathematics, and foreign language. Any deviation should be discussed in advance with the Dean of Admission.

ADVANCED PLACEMENT

In certain subjects, candidates who have completed advanced work in secondary schools may apply for advanced placement at Amherst. Each case will be considered individually on its own merits. Candidates interested in Advanced Placement are urged to take the Advanced Placement Tests given by the College Entrance Examination Board. Questions about Advanced Placement should be directed to the *Dean of Admission.* For

further information candidates should consult the Advanced Placement booklet in their secondary school guidance office.

COLLEGE BOARD TESTS

All applicants for admission are required to take the scholastic aptitude tests, two achievement tests, and the writing sample test given by the College Entrance Examination Board. The aptitude and writing sample tests may be taken in December or January and the achievement tests in December, January, or March of the senior year. *Achievement tests should include a test in language if this subject is being studied in the senior year. Applicants who wish to deviate from this program should notify the Dean of Admission.*

Students in the eleventh grade who plan to attend a college using the College Board tests are urged to take the scholastic aptitude tests and the achievement tests in language and mathematics in May if these subjects are not to be continued in the twelfth grade.

Students who graduate at mid-year should take all tests in December or January of their senior year.

Applicants should register for these examinations as soon as possible with the Secretary of the College Board, Box 592, Princeton, New Jersey. Students living in Arizona, California, Colorado, Idaho, Montana, Nevada, New Mexico, Oregon, Utah, Washington, Wyoming, Alaska, Hawaii or Australia should register with the Secretary of the College Board, Box 9896, Los Feliz Station, Los Angeles 27, California. Veterans are exempted from these tests if their location and service make examinations impossible.

REGENTS EXAMINATIONS

Applicants from the New York State public schools are expected to submit scores made on the Regents Examination in addition to the scholastic aptitude and achievement tests given by the College Entrance Examination Board.

ADMISSION FROM INSTITUTIONS OF COLLEGIATE RANK

Correspondence concerning admission of transfers should be addressed to the Dean of Admission.

To be eligible for transfer a candidate must meet the following requirements:

1. His credits must satisfy the full entrance requirements of Amherst College.
2. He must have completed creditably the work of at least one year in an institution of collegiate rank, and his general average at the institution he is leaving must correspond to or be better than the required Amherst graduation average of seventy per cent.
3. He must present a statement of honorable dismissal.
4. He must file a formal application for admission by transfer.

Candidates for admission by transfer are admitted in September only.

Candidates should note that, in general, only students with a B average or better will be accepted for admission as transfers.

Special consideration is given applicants from junior and community colleges who have made distinguished academic records.

Some financial aid is available for transfer students.

COOPERATIVE ENGINEERING-SCIENCE PROGRAM

In order to facilitate the combination of a liberal arts course with education in science and engineering, Amherst College will permit a student of high standing to pursue a five-year program in which the first three years will be spent at Amherst College and the last two years at the Massachusetts Institute of Technology, or any other engineering school approved by the Dean of the College, with the understanding that if the five-year program is satisfactorily completed the student will receive the degree of Bachelor of Arts from Amherst College and the degree of Bachelor of Science from the engineering school.

SPECIAL BOOKLET

A descriptive booklet entitled *This is Amherst* may be had upon application to the *Dean of Admission.*

Regulations

TERMS AND VACATIONS

The college year 1962–1963 includes two regular semesters of sixteen weeks each. In the fall semester there are a Thanksgiving recess of approximately five days and a Christmas vacation of two weeks; in the spring semester there is a vacation of two weeks.

ATTENDANCE AT COLLEGE EXERCISES

The officer in general charge of matters concerning attendance at college exercises is the Associate Dean.

Students are expected to attend classes regularly and promptly. Attendance at all laboratory periods is required. First-term freshmen and students on probation are allowed no unexcused absences from class or laboratory periods. Each student, unless he is on the Dean's list, must attend his last class before and his first class after the Thanksgiving, Christmas and Spring recesses. At the beginning of the semester each instructor will state his policy with regard to absences in his course, and thereafter he will report to the Dean's Office the name of any student who violates the regulations which the instructor has set up for his own course. In such cases the Dean's Office will take appropriate action which may include a reduction in his credit hours or he may be dropped from the course, or he may be suspended, or he may be dropped from college.

Absences for certain recognized reasons are normally excused. Considerable discretion should be used with regard to unexcused absence, since such absences, even if not excessive, tend to reduce the effectiveness or value of the course. The responsibility for any work missed because of an absence rests entirely upon the student.

All official college vacations and holidays are announced on the College Calendar appearing on page 5 of this catalog.

Morning assemblies are conducted on Monday, Tuesday, Thursday and Friday mornings. All students are required to attend half of these assemblies each semester.

STUDENT CONDUCT

The officer in general charge of student conduct is the Associate Dean.

It is the belief of Amherst College that its students want to take responsibility for setting, maintaining, and supporting moral and intellectual standards. With this in mind, the College has adopted an honor code. In a social and moral sense this honor code means the support of those standards which befit the conduct of a gentleman and which will reflect credit on the College, its students, and its guests.

The College reserves the right to exclude at any time students whose

conduct or academic standing it regards as undesirable, and without assigning any further reason therefor; in such cases fees will not be refunded or remitted, in whole or in part, and neither the College nor any of its officers shall be under any liability whatsoever for such exclusion.

RECORDS AND REPORTS

The officer in charge of records and reports is the Registrar of the College.

Reports of standing are sent to parents or guardians at the end of each term. The passing grade in each individual course is 60. An overall average of at least 70 is required for a degree.

Students' records are confidential and information is released only at the request of the student or of appropriate institutions and officials. Partial transcripts are not issued. Each transcript includes a student's complete record at Amherst College to date.

The first three transcripts are furnished free of charge. For additional transcripts there is a charge of $1 each, due at the time the transcript is issued at the Office of the Registrar. Checks should be made payable to Amherst College. No records are issued to or for students with unpaid accounts at the Comptroller's Office.

ROOMS AND BOARD

All students, unless specifically excused by the Dean, are required to live either in the dormitories of the College or in fraternity houses. Dormitory rooms are equipped with bed, mattress, pillow, chiffonier, desk, chairs, and bookcase or shelves. Occupants furnish their own blankets, linen, and towels, and may provide extra furnishings if they wish, such as rugs, curtains, lamps, etc.; they may not add beds, sofas, lounges, or other furniture of such nature except under certain circumstances. More complete regulations for dormitory occupancy are contained in the Student Handbook. Room assignments are noted on the invoice from the Comptroller's Office.

All students are required to eat in Valentine Hall unless excused by the Dean. There are no rebates for absence from meals.

STUDENT HEALTH

The officer having general supervision of health, medical care and physical development is the College Physician.

The College's medical staff includes the College Physician on a full-time basis and an orthopedist and psychiatrist who have regular consulting hours on a part-time basis. Outside medical consultants in almost all specialities are available when recommended by the College Physicians. Hospitalization of students, when needed, is usually at the Cooley Dickinson Hospital in Northampton.

Facilities for the adequate care of the great majority of the students' illnesses and injuries are available in the Student Health Office and College Infirmary. The infirmary is a modern well-furnished and comfortable building with a normal capacity of 22 beds, easily expanded to 40 beds when needed, and to 90 beds in case of an epidemic. It is staffed on a 24-hour basis by graduate nurses.

A physical examination is required of each new student in order to make a general survey of his health and to classify and advise him as to suitable physical and athletic activity.

Each student admitted to Amherst College must have been successfully vaccinated for smallpox or must be willing to submit to such vaccination by the College Physician within three months after admission.

Students who are unable to attend classes because of illness are expected to go to the infirmary. Sick excuses are given only for such time as is spent in the infirmary or, if with their families, under a physician's care.

A College Physician supervises all athletic activities and provides first aid and medical care in case of injury.

Parents are notified of infirmary admissions in the case of significant illness or injury. If such cases are serious or unusual, notification will be made by telephone. In emergencies requiring immediate surgery, when parents cannot be consulted in advance, the President of the College will assume responsibility for the authorization of operation.

A health fee of $20 per semester is charged to each student. This fee entitles him to the services of the Student Health Office, the College Infirmary, and the College Physicians for illnesses and injuries occurring while college is in session, but does not assume the cost of continuing treatment of illness or injury contracted prior to the student's admission to Amherst or while college is not in session. These benefits end with a student's graduation, withdrawal, or dismissal from College. The fee does not cover the cost of such off-campus services as medical consultants, hospitalization, x-ray treatments, dental care, prescriptions, eye glasses, etc.

To take care of cases requiring treatment beyond the scope of the College plan, and to fill the gap of vacations and holidays, the College has arranged with Massachusetts Blue Cross-Blue Shield for a student health plan, at a yearly premium of $19, to supplement health services provided on campus to all students. Blue Cross-Blue Shield student protection is provided for a full twelve months beginning on September 1 of each year and liberal hospital, surgical and medical benefits are available without waiting periods for all student participants. There is also an added $5,000 in Prolonged Illness protection for the more serious accidents and disabilities. This insurance, or comparable coverage, is required for all students who participate in intercollegiate athletics.

GUIDANCE AND PLACEMENT

In a liberal arts college, where few studies are of direct occupational significance, many undergraduates find the choice of a career a perplexing

problem. To help undergraduates solve this problem, the College offers an occupational guidance program under the leadership of a Director of Guidance and Placement. This program assists students to (1) discover their own special interests, aptitudes, talents, and powers; (2) discover the most promising outlets for these special and individual powers; (3) become familiar with the best techniques in obtaining a job; (4) recognize the principal adjustments needed in changing from a life on the campus to one in the business world; and (5) arrange for interviews with government agencies, business concerns, and other groups interested in employing Amherst graduates. An important part of the guidance program is the annual Career Conferences which bring to Amherst lawyers, doctors, teachers, government employees, businessmen and others for two week ends of discussion with interested undergraduates in many career areas.

Tuition and Fees

The officer having general supervision of the collection of Tuition and Fees is the Comptroller.

A candidate's formal application for admission should be accompanied by a $10 application fee in check or money order payable to Amherst College. Upon notification of his admission to the College a candidate is required to return with his acceptance a non-refundable advance payment of $100 which will be credited in full on his first term bill.

Student accounts are payable at the Office of the Comptroller. Semester bills will be mailed approximately two weeks before the due date. Freshmen and other new entrants should make payments on or before arrival. Advance payment by mail upon receipt of a bill will be a convenience to the student and to the College.

For those who prefer to pay monthly, arrangements have been made for a pre-payment plan, including insurance for continued payment in case of death or disability of the parent. For further details write to Insured Tuition Payment Plan, 38 Newbury Street, Boston 16, Massachusetts.

Unless special arrangements have been made with the Comptroller *in advance*, payment in full is expected when due. The due dates are Friday, September 21, 1962 for the first semester, and Monday, January 28, 1963 for the second semester.

Identification cards must be picked up in person at the Comptroller's Office before course cards can be obtained.

SUMMARY OF CHARGES

	Each Semester	*Total for Year*
Tuition	$650.00	$1,300.00
Room	150.00	300.00
Board	237.50	475.00
Health Fee	20.00	40.00
Intercollegiate Athletic Fee	17.00	34.00
Student Activities Fee	18.50	37.00
Total	$1,093.00	$2,186.00

On the first semester bill there is a charge of $19 for twelve months Accident and Sickness Insurance from September 1st. If this protection is not desired, the parent or guardian may, not later than September 21, state in writing that the College is relieved of all responsibility in this connection, and request cancellation of the charge. The required Health Fee of $40 covers only the services of college doctors and campus facilities while college is in session, but no off-campus facilities, consultants or surgeons.

Each new student, or former student reentering, is charged a $25 Guarantee Deposit refundable after he graduates or otherwise leaves college, less any unpaid charges against him.

Each senior or candidate for the Master of Arts degree is charged a degree fee of $15 in his final semester.

Miscellaneous charges such as fees for late registration, change of courses, extra courses, library fines, lost or damaged property, etc., are payable currently when incurred.

For delinquencies in Physical Education a charge of $30 will be levied each semester following sophomore year until the delinquency is removed.

Scholarship awards will be credited on the semester bills. Scholarship loans will be credited after signed notes are received. Scholarships from outside donors will be credited when received. Awards on the second semester bill are tentative, subject to a satisfactory record in the work of the first semester.

A fee for the support of various activities of the student body is determined by the Student Council. This fee is collected by the College and turned over to the Director of Student Activities for expenditure under his supervision. For the year 1962–63 the fee has been set at $34. For this fee each student receives a copy of the yearbook, the *Olio;* a one year's subscription to the student newspaper and magazine, *The Amherst Student* and *The Amherst Literary Magazine;* and contributes to the support of the College Band, the Glee Club, the Prom, the Debate Council, the radio station, the crew, and sundry other activities of the student body which fall under Council jurisdiction. To this fee is added $3 covering admission to Masquers performances which are under College rather than Council jurisdiction, making a total of $37, one half of which, $18.50, will appear on each semester bill.

SUMMARY OF EXPENSES

Beyond the total amount billed by the College will be the student's personal expenses, membership dues in student organizations, clothing, travel, books, and miscellaneous items — all of which will vary greatly with the individual but will probably range from one to two hundred dollars per semester.

Financial Aid

The officer directly in charge of the administration of financial aid is Dean Esty.

Throughout the history of the College, alumni and friends of Amherst have given or bequeathed funds to assist worthy students having financial need. These beneficiary funds now amount to more than $3,200,000; their income is distributed annually among students of high character and superior scholastic ability.

A few of these funds are restricted to candidates for the ministry and a few are restricted by other factors, such as the geographical location of the home of the applicant. In some cases it is stipulated that the award from a particular fund shall be made to a particularly designated student. For the most part, however, the income of these funds may be awarded as the College sees fit. Three State Scholarships of full tuition are awarded annually to qualified residents of Massachusetts. For a full list of beneficiary funds please see the Appendix.

FINANCIAL AID FOR THE THREE UPPER CLASSES

Applicants for financial aid, or for renewal of financial aid, from the three upper classes must file an account of their income and expenditures for the preceding year and an estimate of their income and expenditures for the following year on or before May 1, 1963 at Dean Esty's office. Appropriate forms are available for this purpose.

As a general scholastic requirement, applicants for financial aid from the three upper classes must pass all of their courses of the preceding year and stand in the upper half of their class, although this level is flexible in individual cases. Students whose work is unsatisfactory may expect to receive a greater portion of aid in the form of a loan, in contrast to the loan policy indicated below.

FINANCIAL AID FOR ENTERING STUDENTS

More than 80 scholarships are awarded annually to applicants for admission to college who are in need of financial aid and who meet the entrance requirements in full. These scholarships range from $200 to $2,300 per year and are awarded for the first year in residence.

All candidates for these scholarships must be candidates for admission and must take the scholastic aptitude and achievement tests given by the College Entrance Examination Board. Correspondence concerning scholarships should be addressed to Dean Esty. Each applicant for scholarship aid must file a formal application before February 1. No special examinations are needed other than the College Board tests required for admission.

FINANCIAL AID POLICY

Amherst has recently broadened its financial aid program so that scholarship grants, loans, and employment all play an important part. Once the financial assistance required by a student is determined, a portion of the aid may be an outright grant in the form of a scholarship, a portion may be in the form of a loan, and some may be supplied through the earnings of the student at college. Generally speaking, the loan will be about 20% of the total aid in the sophomore year, 30% in junior year and 40% in senior year. Special circumstances of an individual may vary these proportions. Loans are made at an interest rate of 1% per annum until one year after graduation or completion of graduate school or military service. Thereafter, repayment is made at a minimum of $10 per month including interest at the rate of 2% per annum. Scholarship aid is not contingent upon acceptance of a loan. Some students prefer to earn more money in the summer or during the college year so that no loan is needed. If a student should enter a relatively unremunerative career of service—as the ministry, certain teaching positions, social work, or the like—or if for other reasons he should find himself in a position where repayment would be a real hardship, some or all of his loan may be forgiven.

In addition to the loans which are made in conjunction with scholarship grants, there is a Student Loan Fund (see below).

SPECIAL SCHOLARSHIPS

Sloan National Scholarships: These special awards were established by the Alfred P. Sloan Foundation and are open to applicants who reside in the continental United States. With one exception, the stipends granted under these scholarships vary with the financial need of the applicant. Awards range from a minimum of $200 to a maximum of $2000 and are renewed each year provided the recipient's performance continues on a high level and his relative financial need does not change. One $200 honorary Sloan Award is made to an outstanding applicant irrespective of financial need. Sloan awards are made to students who have outstanding academic records in secondary school, who have demonstrated unusual initiative, and who appear to have the character and personality required for future leadership.

Alumni Fund Scholarships: A limited number of special awards financed from the Amherst Alumni Fund are made to outstanding students. Their amount depends upon individual need but stipends range up to $2,000 and are renewed annually unless the recipient fails to maintain a high scholastic average or his financial need decreases.

General Motors College Scholarship: The stipend for this award is determined by demonstrated need up to a maximum of $2,000 per year. The purpose of the award is to enable an outstanding student to attend college irrespective of his financial resources. The primary considerations, apart from demonstrated need, are the worth, talent, and qualifications of the individual applicant. The General Motors award is renewed for the four

undergraduate years provided the student continues to meet the required standards.

Procter and Gamble Scholarship: This award includes full tuition and an annual allowance for books, fees, and supplies (excepting room and board) for the entire four-year course. It is made to a student of unusual ability and promise who could not attend college without considerable financial assistance.

Other Special Scholarships: Also available in recent years have been scholarships sponsored by several other foundations, trusts, and corporations. These organizations include The Westinghouse Corporation, The Edwin Gould Foundation for Children, Merrill Lynch, Pierce, Fenner & Smith, The Agnes M. Lindsay Trust, the Hubshman Foundation, and the Allied Chemical Corporation.

RESIDENTS OF AMHERST

At the discretion of the Trustees of the College, free tuition may be granted to applicants for admission who can satisfy the entrance require ments, who have been residents of Amherst for three years before the time of admission to college, and whose parents have also been residents of Amherst for three years. The grants are continued throughout the college course, provided such students satisfy the College's scholarship requirements, conform to its regulations, and their parents continue to live in Amherst.

STUDENT LOAN FUND

Through the liberality of friends of the College, loans of a limited amount can be made to a few students in the later years of their course at a low rate of interest. In accordance with the conditions set by the donors, use of the Loan Fund is limited to students in good scholastic standing whose habits of expenditure are economical and who may have emergency needs not covered by regular financial aid procedures. Further information about this fund is available from the *Business Manager.*

FINANCIAL AID BOOKLET

A more detailed description of the financial aid program, *An Outline of Costs and Financial Aid at Amherst College,* is available upon request from Dean Esty.

Degree Requirements

BACHELOR OF ARTS

The degree, Bachelor of Arts, is conferred upon students who have satisfactorily met the requirements described below. The plan of studies leading to this degree is arranged on the basis of the equivalent of an eight-semester course to be pursued by students in residence at Amherst College.

The degree, Bachelor of Arts, *cum laude*, *magna cum laude*, or *summa cum laude* (Degree with Honors) is awarded to students who have successfully completed an approved program of honors work with a department or group.

Other students who satisfactorily meet the requirements as indicated below receive the degree, Bachelor of Arts, *rite*.

REQUIREMENTS

The Bachelor of Arts degree is awarded to students who:

1. Complete a minimum of one hundred and twenty-eight credit hours of which at least sixty-four must be completed in the freshman and sophomore years and at least sixty-four in the junior and senior years;
2. In freshman and sophomore years complete three two-year sequence courses in natural science, social science, and English-Humanities;
3. In junior and senior years take at least fifteen credit hours outside the division in which they are majoring;
4. Satisfy the requirements in language and the humanities;
5. Pass a comprehensive examination in their major department;
6. Complete certain prescribed work in public speaking and physical education;
7. Have no deficiencies in the work of any year; and
8. Attain a general average of 70 percent in the courses completed at Amherst College and a grade of at least 70 percent in every course completed at another institution.

Exceptions

Exceptions to these requirements will be considered in the following cases:

A. A Sophomore who finds it necessary to exceed the sixty-four credit-hour minimum of the first two years in order to take an introductory course in a department in which he plans to major may, with the Dean's permission, postpone a required sophomore course to the junior year.

B. A portion of the fifteen credit-hour extra-divisional requirement may be waived by departmental representatives whenever they consider it justified. In such cases, students, both *rite* and honors, must submit a written statement to the representatives of the departments in which they are majoring giving the reasons why the requirement should be waived.

C. With permission of the Dean students may take Astronomy 22 in lieu of Science 22 in satisfying the sophomore science requirement.

Language Requirements

The college language requirement may be satisfied in any of the following languages: French, German, Italian, Russian, Spanish, Latin, or Greek.

In modern languages the requirement may be met in either of the following ways:

1. At entrance, by a satisfactory score in the College Entrance Examination Board Achievement Test in the language, plus a demonstration of ability to comprehend the spoken language as shown either by a satisfactory score in the Listening Comprehension Test administered by the College Entrance Examination Board, or in an aural examination to be given to freshmen at the beginning of the college year.
2. After entrance, by passing course 5 in French, German, or Spanish; or by passing course 21 in Italian; or by passing Course 3 in Russian; or by passing reading and aural comprehension examinations to be given at the end of course 3 in French, German, Italian, or Spanish.

In ancient languages the requirement may be met in either of the following ways:

1. At entrance, by a satisfactory score in the College Entrance Examination Board Achievement Test in Latin or Greek.
2. After entrance, by passing Latin 3 with a grade of C, by passing any higher numbered course in Latin, or by passing Greek 3.

Humanities Requirements

In order to satisfy the Humanities requirement, students must elect, in addition to the prescribed freshman humanities course, three further semester courses, for a total of at least nine credit hours, from the following three groups:

1. Philosophy, Religion, Classical Civilization
2. Music, Fine Arts, Dramatic Arts
3. English or foreign literature.

The requirement may be met *either* by electing one semester course from each of the three groups *or* by electing two semester courses from one group and an additional semester course from either of the other two groups. Two of these courses must be completed by the end of the sophomore year. The particular courses which may be offered in satisfaction of this requirement are those designated by the departments concerned in their announcement of course offerings, and are listed on page 7, Section 3 of the 1962–1963 *Announcement of Courses.*

The Major Requirement

A major consists of the equivalent of thirty credit hours pursued under the direction of a department or special group. A major cannot begin later than the junior year and may begin in either the freshman or sophomore

year. At least one course in the major must be included in each semester of both junior and senior years. Each department decides whether a freshman course in a department shall count toward its major.

The major can be met in accordance with either of two plans:

Plan A: A student may complete the thirty credit hour requirement within one department. He must complete at least twenty-two credit hours within one department, however, in which case he may complete the remaining credit hour requirement in related fields approved by the department.

Plan B: Combinations of courses not provided for under Plan A, but similar in aim to the established group majors in American Studies and

CURRICULUM FOR FIRST TWO YEARS 1962–1963

The complete program for freshmen and sophomores is:

Science	*History*	*Humanities*	*Elective*	*Public Speaking*
		FRESHMAN YEAR		
Physical Science and Mathematics	European Civilization	English and Humanities	Foreign language or other elective	
		SOPHOMORE YEAR		
Two semester courses from: A. Chemistry and Biology B. A semester course in Evolution of the Earth and Man and a semester course in either Astronomy, Biology, Chemistry, Geology, or Psychology C. Astronomy 22 (see Note) C, page 41)	Problems in American Civilization	*Two courses from:* A. Literature — English or foreign B. Philosophy, Religion, Classical Civilization C. Fine Arts, Music and Drama	Elective	Public speaking

Biophysics, may be made with the consent of the several departments concerned and of the Dean.

Averages

Candidates' averages each semester are computed on the basis of all courses taken at Amherst College, and candidates must have a general average, including failure grades, of 70 percent in courses taken at Amherst College to be eligible to receive the degree Bachelor of Arts.

DEGREE WITH HONORS

The degree Bachelor of Arts with honors is awarded at graduation to students whose academic records give evidence of particular merit. It may be awarded *cum laude*, *magna cum laude*, or *summa cum laude*, according to the level of achievement of the candidates. All degrees with honors are noted on the diploma and the Commencement program, and are announced in the annual catalog.

The award of honors is made by the Faculty of the College. In making such awards the Faculty will take into account the following factors: (1) Candidates must have a minimum college average of 80 to be eligible to be considered for the degree *cum laude*, of 86.00 for the degree *magna cum laude*, and of 90.00 for the degree *summa cum laude*. (2) Candidates must receive the recommendation for the degree *cum laude*, *magna cum laude*, or

COURSE DIVISIONS
1962–1963

DIVISION I *The Humanities*	DIVISION II *Social Studies*	DIVISION III *Mathematics and Natural Sciences*
Dramatic Arts	American Studies	Astronomy
English	Economics	Biology
Fine Arts	History	Biophysics
French	Legal Studies	Chemistry
German	Political Science	Geology
Greek		Mathematics
Humanities		Physics
Italian		Psychology
Latin		Science
Music		
Philosophy		
Public Speaking		
Religion		
Russian		
Spanish		

summa cum laude from the department in which they have done their major work. Each department will define the conditions upon which it will be their practice to make recommendations to the Faculty. (3) In the case of the award of *magna cum laude* and *summa cum laude* the Dean and the Committee of Six will review the entire record of candidates and will transmit to the Faculty their recommendations. Only students of marked distinction in both general work and in the field of honor studies will be recommended for the *summa cum laude* degree.

In exceptional cases, upon recommendation of the department in which the candidate has done his major work, the Committee of Six may recommend to the Faculty that a student be awarded a degree of honors for which he does not have the required average.

A student is expected to have a general average of at least 80 percent at the time he is accepted as a candidate for honors in a department or group. However, if the department concerned approves, a student whose average is below 80 percent may become a candidate for the degree with honors.

A candidate for a degree with honors may be permitted, at the discretion of the department in which he is majoring, to substitute in his junior year a conference course for one of his regular three- or four-hour courses, and in his senior year a conference course for one or two of his regular three- or four-hour courses.

MASTER OF ARTS

The degree of Master of Arts is conferred upon students who have received the Bachelor of Arts degree either from Amherst College or from another college which has similar requirements for the Bachelor of Arts degree, and who have met the requirements described below. Application forms and a detailed explanation of the requirements may be obtained from the Dean. The tuition charge for the Master of Arts degree is $1,300.

REQUIREMENTS

To become a candidate for the Master of Arts degree, students are expected to have had at least a B average or its equivalent in their undergraduate work. They should secure approval of proposed courses of study from the Dean, the department concerned, and the Committee of Six, not later than the June preceding the opening of the college year in which they plan to begin work for this degree.

Candidates are required to complete at least eight semester courses of advanced character, or the equivalent, under the direction of the department concerned, to secure grades of at least B in every course, to spend a minimum of two semesters in residence at Amherst College, to prepare a satisfactory thesis, and to pass oral and written comprehensive examinations.

COOPERATIVE DOCTOR OF PHILOSOPHY

A cooperative Doctor of Philosophy program has been established by Amherst, Mount Holyoke, and Smith Colleges and the University of Massachusetts. The degree is awarded by the University of Massachusetts but some and perhaps much — and in a few exceptional cases even all — of the work leading to the degree might be done in one or more of the other institutions.

When a student has been awarded a degree under this program, the fact that it is a cooperative doctoral degree involving Amherst, Mount Holyoke, and Smith Colleges and the University of Massachusetts will be indicated on the diploma, the permanent record, and all transcripts, as well as on the commencement program.

The requirements for the degree are identical to those for the Ph.D. degree at the University of Massachusetts except for the statement relating to "residence." For the cooperative Ph.D. degree "residence" is defined as the institution where the dissertation is being done.

Students interested in this program should write to the Dean of the Graduate School at the University of Massachusetts.

FOUR-COLLEGE COURSES

Amherst has an arrangement with Mount Holyoke and Smith Colleges and the University of Massachusetts by which any of their courses are open to Amherst students if properly qualified and if, in the opinion of the Dean, this procedure seems reasonable. The courses concerned will ordinarily be advanced courses in the student's major subject, not available currently on this campus. In general, permission to take courses on another campus will be given only to students who are or who expect to be candidates for the degree with honors.

Faculty Statement on Intellectual Responsibility

In order to cooperate with the Student Council in its efforts to maintain an honor system at Amherst College, the Faculty has voted the following statement and articles:

A Statement of Intellectual Responsibility Among Students at Amherst College:

The following Articles are an institutional expression of the basic fact that every man's education is the product of his own intellectual efforts. Amherst cannot educate a man who will not educate himself. Amherst sees no value in making its facilities available to a man who avoids the responsibility and opportunity for his own education. Every man who enrolls and remains at Amherst, therefore, understands that to submit work which is not his own violates the purpose of the College and of his presence there. No intellectual community can maintain its integrity or be faithful to its members if violations of its central purpose are for any reason tolerated.

This principle of intellectual responsibility applies to all work done by students.

ARTICLE I

This statement will be perpetuated in the Amherst College Bulletin, Student Handbook, and other publications deemed appropriate. The following affirmation will be printed on the course enrollment cards for every course; it must be signed before enrollment can be considered:

> "I have read, understand, and accept the Statement of Intellectual Responsibility Among Students at Amherst College, and agree with this principle as it relates to this course.
> ..... (signed)"

ARTICLE II

Section 1. Examinations will not be proctored; orderly and honorable conduct of examinations will be the individual and collective responsibility of the students concerned, in accordance with the Statement above.

Section 2. The instructor may be present at examinations at appropriate times to answer any questions that arise.

ARTICLE III

In instances of purported or ascertained violation of the Statement of Intellectual Responsibility, the Student Council will, after proper scrutiny and deliberation, recommend the course of action to be followed, the recommendation being subject to the approval of the President of the College.

ARTICLE IV

The Student Council shall make provision for explaining the Statement of Intellectual Responsibility to incoming freshmen and to new members of the Faculty, and for publicizing and interpreting the Statement to the Student Body during the year. The Student Council will consider any problems of maintaining intellectual responsibility which are brought before them by the students. They will make any recommendations which they deem advisable for action by the Faculty and Administration. At some time each year the Council shall also be responsible for a serious review of the effectiveness of these procedures in promoting the central purpose of the College.

II

Courses of Instruction

Courses of Instruction

1962–1963

a. Freshman courses are numbered 1–20; sophomore courses 21–40; and junior and senior courses 41–80.

b. In general, odd-numbered courses are given in the first semester, and even-numbered courses in the second semester; the letter "S" after a number indicates that the number of the course is an exception to the usual numbering system.

c. Honors courses are offered to eligible juniors and seniors and are numbered 69, 70 and 79, 80 respectively. Election of these courses may be made only by candidates for a degree with honors unless exception is made by the department concerned and by the Dean.

Reading Courses

91, 92. SPECIAL TOPICS (INDEPENDENT READING COURSE) *1–4 credit hrs.*

Departments may offer a course known as SPECIAL TOPICS in which a student or a group of students study or read widely in a field of special interest. It is understood that this course will not duplicate any other course regularly offered in the curriculum and that the student will work in this course as independently as the director thinks possible.

(Procedure. Before the time of registration the student should consult the teacher in whose field of competence his subject comes and who will direct his work; they will decide the credit to be given, the title to be reported, the nature of the examination or term paper and will discuss the preparation of a bibliography and a plan of coherent study. Final approval of the Department must be given before the student registers.) *Elective for Juniors and Seniors in any semester. Two courses however may not be taken concurrently.*

GROUP READING COURSES. *No credit*

Under the direction of a member of the faculty, students may organize themselves into groups to read in a field of special interest. The title of such a course must be reported at the time of registration. At the discretion of the teacher, a final examination may be held or a paper assigned. Teachers must report for each student a final Pass or Fail which will appear on the student's transcript, together with the specific title of the course.

American Studies

Professors Commager,† Kennedy, Latham, C. Morgan, Marx, Rozwenc,‡ Taylor,‡ Warne, and Ziegler; Associate Professors Greene, B. Morgan, and Madden; Assistant Professors Guttmann, Halsey, Hawkins and Kateb; Messrs. Nicklason and Schrag.

American Studies is a program which searches for an understanding of the relations among institutions, ideas, and artistic imagination within the

American experience. By combining work in a number of the traditional scholarly disciplines it aims to place the student in a position where he can see and can make some statements about these relations.

A major in American Studies is required to develop a program of courses and independent reading which will enable him to pass a series of intensive written and oral examinations in the spring semester of the senior year. The new examinations for American Studies will apply to students in the class of 1962 and after. These examinations will cover two aspects of American civilization described as follows:

(1) A major in American Studies is expected to know the main forces which have shaped American life in every period of American history—from the first settlement at Jamestown to our contemporary society. Consequently an American Studies major must understand the basic political and social institutions of every period, the basic forms of economic organization, the competing myths and ideologies, and the programs of social action.

(2) A major in American Studies is expected to have studied the classic writings and other creative efforts in the American intellectual tradition. This includes significant works in literature, art, philosophy, and political and social theory.

Although the Department of American Studies regards the two semester courses in "The History of American Society" (History 33–34) as the nearest equivalent to a foundation course, majors in American Studies are expected to work out for themselves a program of study inside and outside of courses which will enable them to pass the intensive examinations of the senior year. Such a program of study should include a heavy emphasis on history and literature, and a disciplined knowledge of at least one other field *viz.*, economics, political science, sociology, philosophy, art, or music.

All majors in American Studies will be given a reading list which will be made available to them at the end of the sophomore year. At the beginning of the first semester of the senior year all majors in American Studies shall take a written examination on the works which appear on the reading list. Students who fail to perform satisfactorily in this examination in September will not be permitted to take either the *rite* or honors seminar in the senior year. Such students will be required to complete, on their own, an extended list of readings in preparation for an examination at the end of the senior year which will enable the Department of American Studies to determine whether or not they can be recommended for the degree of Bachelor of Arts

American Studies 72 is required of all majors in American Studies who are not admitted to the honors program and is to be taken in the senior year.

American Studies 70, 79 and 80 are required of all honors candidates. In conjunction with American Studies 79 and 80, each candidate shall write an original essay on a topic which has been approved by the Department.

† *Absent on leave first semester.*
‡ *Absent on leave second semester.*

21, 22. PROBLEMS IN AMERICAN CIVILIZATION.

Professors COMMAGER, GUTTMANN, HALSEY, HAWKINS, KATEB, MADDEN, MARX, MORGAN, REPASS. ROZWENC,‡ TAYLOR,‡ WARNE, and ZIEGLER; MESSRS. NICKLASON and SCHRAG.

A study of selected problems in American civilization. This course does not provide a survey of American history, but centers attention on a limited number of topics which are treated from various viewpoints, including the political, economic, and cultural. Five lectures and one two-hour laboratory period every two weeks. *Required for Sophomores. First and second semesters. Four credit hours each semester.*

24. THE AMERICAN ECONOMY. Professor NELSON. *4 credit hrs.*
(Same course as Economics 24.) *Elective for Sophomores. Second semester.*

25. AMERICAN CONSTITUTIONAL DEVELOPMENT. *4 credit hrs.*
Professor LATHAM.
(Same course as Political Science 25.) *Elective for Sophomores. First semester.*

27. POLITICAL PARTIES. Mr. REPASS. *4 credit hrs.*
(Same course as Political Science 27.) *Elective for Sophomores. First semester.*

31. AMERICAN GOVERNMENT. Professor ZIEGLER. *4 credit hrs.*
(Same course as Political Science 31.) *Elective for Sophomores. First semester.*

33. THE HISTORY OF AMERICAN SOCIETY. *4 credit hrs.*
Professor ROZWENC.
(Same course as History 33.) *Elective for Sophomores. First semester.*

34. THE HISTORY OF AMERICAN SOCIETY. *4 credit hrs.*
Professor GREENE.
(Same course as History 34.) *Elective for Sophomores. Second semester.*

36. THE HISTORY OF AMERICAN EDUCATION. *4 credit hrs.*
Professor HAWKINS.
(Same course as History 36.) *Elective for Sophomores. Second semester.*

42. LABOR ECONOMICS. Professor WARNE. *4 credit hrs.*
(Same course as Economics 42.) *Elective for Sophomores. Second semester.*

43. AMERICAN LITERATURE. *3 credit hrs.*
Professor MARX.
(Same course as English 43.) *Elective for Juniors. First semester.*

44. AMERICAN LITERATURE. *3 credit hrs.*
Professor MARX.
(Same course as English 44.) *Elective for Juniors. Second semester.*

45S. AMERICAN ART. Professor C. MORGAN. *3 credit hrs.*
(Same course as Fine Arts 45.) *Elective for Juniors. Second semester.*

† *Absent on leave first semester.*
‡ *Absent on leave second semester.*

47. AMERICAN PHILOSOPHY. Professor MADDEN. *3 credit hrs.*
(Same course as Philosophy 47.) *Elective for Juniors. First semester.*

56. AMERICAN POLITICAL THOUGHT. Professor KATEB. *4 credit hrs.*
(Same course as Political Science 56.) *Elective for Juniors. Second semester.*

57. THE SOUTH SINCE THE CIVIL WAR. *4 credit hrs.*
Professor HAWKINS.
(Same course as History 57.) *Elective for Juniors. First semester. Limited to 25 students. (Omitted 1962–63.)*

59. SOCIETY AND POLITICS IN DE TOCQUEVILLE'S AMERICA. Professor ROZWENC. *4 credit hrs.*
(Same course as History 59.) *Elective for Juniors. First semester. (Omitted 1962–63.)*

60. SOCIETY AND POLITICS IN THE ERA OF THE NEW DEAL. Professor ROZWENC. *4 credit hrs.*
(Same course as History 60.) *Elective for Juniors. Second semester. Limited to 15 students. (Omitted 1962–63.)*

61. FOUNDATIONS OF AMERICAN CIVILIZATION. *4 credit hrs.*
Professor GREENE.
(Same course as History 61.) *Elective for Juniors. First semester.*

62. AMERICAN DIPLOMATIC HISTORY. *3 credit hrs.*
Professor GREENE.
(Same course as History 62.) *Elective for Juniors. Second semester. (Omitted 1962–63.)*

63. AMERICAN ECONOMIC HISTORY. *4 credit hrs.*
Professor TAYLOR.
(Same course as Economics 63.) *Elective for Juniors. First semester. Limited to 15 students.*

64. AMERICAN ECONOMIC HISTORY. *4 credit hrs.*
(Same course as Economics 64.) *Elective for Juniors. Second semester.* Limited to 15 students.

65S. READINGS IN AMERICAN LITERATURE. *4 credit hrs.*
Professor MARX.
(Same course as English 65.) *Elective for Juniors. Second semester. Seminar course limited to ten students, admission with the consent of instructor.*

66. THE PROGRESSIVE GENERATION. *4 credit hrs.*
Professor GREENE.
(Same course as History 66.) *Elective for Juniors. Second semester. Limited to 15 students. (Omitted 1962–63.)*

70. INTRODUCTION TO HONORS WORK IN AMERICAN CIVILIZATION. Professors Marx and GREENE. *4 credit hrs.*
A study of classic writings in diverse areas of American Civilization plus modern works representing problems of methodology in the various disciplines within the American Studies program. One two-hour seminar weekly. *Elective for Juniors with the consent of the Department. Second semester.*

72. SEMINAR IN AMERICAN CIVILIZATION. *4 credit hrs.*
Mr. NICKLASON.

A study of selected topics in American Civilization including problems of methodology in the various disciplines within the American Studies program. One two-hour seminar weekly. *Elective for Seniors with the consent of the instructor. Second Semester.*

73. CONFERENCE COURSE IN AMERICAN INTELLECTUAL HISTORY. Professor COMMAGER. *4 credit hrs.*

(Same course as History 73.) *Elective for Juniors. First semester. Admission by consent of the instructor only. (Omitted 1962–63.)*

74. CONFERENCE COURSE IN AMERICAN INTELLECTUAL HISTORY. Professor COMMAGER. *4 credit hrs.*

(Same course as History 74). *Elective for Juniors. Second semester. Admission by consent of the instructor only.*

79. CONFERENCE COURSE IN AMERICAN CIVILIZATION
Professors GREENE, GUTTMANN, and MARX. *6 credit hrs.*

Honors work in American civilization. *Elective for Seniors with the consent of the instructor. First semester. Limited to fifteen students.*

80. HONORS. *6 credit hrs.*

Elective for Seniors. Second semester.

91. SPECIAL TOPICS (Independent Reading Course) *1 to 4 credit hours. First semester.*

92. SPECIAL TOPICS (Independent Reading Course) *1 to 4 credit hours. Second semester.*

Astronomy

Professor LINNELL; Associate Professor YOSS;
Assistant Professors FRANKLIN, KOCH and OLSON

A joint Astronomy Department provides instruction at Amherst, Mount Holyoke and Smith Colleges and the University of Massachusetts. Introductory courses are taught separately at the four institutions; advanced courses are taught jointly.

ASTFC indicates courses offered by the Four College Astronomy Department. These courses are listed in the catalogs of all four institutions.

Two alternative programs are available leading to a degree in astronomy. One is the honors program, designed to meet the needs of the student who wishes to prepare for graduate work in astronomy or astrophysics, or who wishes a combined honors program with mathematics or physics. The other is the departmental major, for the student who wishes to study astronomy largely for its cultural value, but who does not plan graduate study.

The facilities of all four institutions are available for thesis work. Should the needs of the thesis project so dictate, the department may arrange to obtain special materials from other observatories.

Honors: By the end of his sophomore year, the student should have completed Astronomy 22, Physics 24, and Mathematics 3. To arrange the balance of his undergraduate program, the student should consult with the department.

Major: This program requires less extensive training in physics and mathematics. A student interested in an astronomy major should choose his electives in consultation with the department.

Since students taking comprehensive examinations in astronomy will not all have had similar sets of courses, the comprehensive examination will cover areas of astronomy and related fields chosen to fit the preparation of the individual student. A student may elect to take a written or an oral examination, prepared by members of the department. If written, the examination will extend for a nominal period of three hours; if oral, the examination time will be shorter at the discretion of the examiners.

22. (ASTFC 22) DESCRIPTIVE ASTRONOMY. *4 credit hours.*
Professors Linnell and Koch.

Four topics of general astronomical and philosophical interest will be considered. They are: (1) Time, (2) The Origin of the Solar System, (3) The Exploration of our Galaxy, (4) Cosmology.

Part of the laboratory work will involve observing with the 18-inch refractor and 4-inch camera.

Four hours classroom and one laboratory period per week. *Elective for Sophomores. Second semester.*

31. (ASTFC 31) STATISTICAL ASTRONOMY. *3 credit hrs.*
Professor Yoss.

Stellar motions as derived from trigonometric, spectroscopic, and statistical parallaxes, proper motions, and radial velocities. Stellar luminosity functions, and related topics. Three hours of classroom work per week. Requisite: Science 1, 2; Astronomy 22. *Elective for Juniors. First semester.*
Mt. Holyoke—M, W 1:45–3:00, Observatory.

32. (ASTFC 32) GALACTIC STRUCTURE. *3 credit hrs.*
Professor Yoss.

Properties of the galactic system revealed by star clusters, the general distribution of stellar types, and the interstellar medium. Kinematics and dynamics of galactic motion. Recent results from the field of radio astronomy. Three hours of classroom work per week. Requisite: Science 1, 2; Astronomy 22. *Elective for Juniors. Second semester.*
Mt. Holyoke—M, W 1:45–3:00, Observatory.

33. (ASTFC 33) CELESTIAL MECHANICS. *3 credit hrs.*
Professor Koch.

Development of the two body problem and the restricted three body problem as applied to the solar system and stellar systems. Three hours of

classroom work per week. Requisite: Astronomy 22, Mathematics 3. *Elective for Juniors, First semester.*

Amherst—M, W 3:30–4:45, Morgan.

34. (ASTFC 34) DOUBLE STARS. Professor KOCH. *3 credit hrs.*

Analysis of the orbits of double stars and discussion of their physical characteristics. Three hours of classroom work per week. Requisites: Astronomy 22, Mathematics 3. *Elective for Juniors. Second semester.*

Amherst—M, W 3:30–4:45, Morgan.

37. (ASTFC 37) ASTRONOMICAL OBSERVATION, REDUCTION, AND ANALYSIS I. *3 credit hrs.*

The Staff.

Fundamental astronomical catalogues and their uses; theory of the transit telescope; visual observation with the equatorial telescope and the transit; photography with the equatorial telescope; photographic photometry.

Three hours of classroom work per week. Some classroom hours will be replaced by observing sessions to be arranged.

Required of all astronomy majors, and registration restricted to these students. Requisite: Astronomy 22. *Elective for Juniors. First semester.* Location to be arranged. T, Th 3:30–4:45.

38. (ASTFC 38) ASTRONOMICAL OBSERVATION, REDUCTION, AND ANALYSIS II. *3 credit hrs.*

The Staff.

Astronomical spectroscopy including line identification, plate calibration and radial velocity determination; photography of objective grating spectra; photoelectric photometry including determination of atmospheric extinction and extrapolation to stellar color indices and magnitudes outside the atmosphere; photoelectric light curves of variable stars.

Three hours of classroom work per week. Some classroom hours will be replaced by observing sessions to be arranged.

Required of all astronomy majors, and registration restricted to these students. Requisite: Astronomy 22. *Elective for Juniors. Second semester.* Location to be arranged. T, Th 3:30–4:45.

41. (ASTFC 41) ASTROPHYSICS I: Professor LINNELL. *3 credit hrs.*

Gas laws and nuclear reactions as applied to the structure of stellar interiors. Evolution of stars. Three hours of classroom work per week. Requisite: Physics 24. *Elective for Juniors. First semester.*

University — T, Th 1:45–3:00.

42. (ASTFC 42) ASTROPHYSICS II. Professor OLSON. *3 credit hrs.*

Study of the emitting and absorbing properties of stellar atmospheres; approximate solutions of the equation of transfer for continuum and line radiation; determination of the physical properties of stellar atmospheres with special emphasis on the sun; determination of atmospheric abundances of elements. Three hours of classroom work per week. Requisite: Physics 24. *Elective for Juniors. Second semester.*

Smith — T, Th 1:45–3:00.

79–80. CONFERENCE COURSES. The Department. *6 credit hrs.*
Required of majors and honors students. *Elective for Seniors. First and second semesters.*

Biology

Professors KIDDER, PLOUGH (emeritus), SCHOTTÉ, and WOOD; Associate Professors HEXTER and YOST*; Assistant Professors BROWER and LEADBETTER*; Mr. MASCARENHAS

Note: A major in biology will consist of at least 24 semester hours in biology together with any 8 semester hours in chemistry. Under certain conditions these specific requirements may be modified with the approval of the department. Any one of the sophomore science courses (Science 22, 23 or 23S) counts as 4 semester hours of biology toward a major.

Honors work in biology is intended to offer an introduction to the purposes and methods of biological research. It is an excellent preparation for those students who wish to become professional scientists or who wish to acquire first-hand knowledge of the methods of modern science.

Candidates for the degree with honors in biology must have completed by the beginning of the senior year a minimum of 16 semester hours in biology; sophomore courses may be counted. Honors candidates must elect Biology 79, 80 and complete by the end of senior year a minimum of 32 semester hours in biology.

The work for honors in biology consists of two main activities: (a) participation in a general and in a specialized seminar course in which the candidate reports on papers from current scientific periodicals; (b) an original investigation under the direction of some member of the staff. In spring of his senior year the candidate takes a comprehensive examination covering the whole field of biology. He also writes a thesis presenting the results of his research to the whole Department.

All students must take a comprehensive examination by the second semester of the senior year. The examination, which will cover the different areas of biology, may be either oral, written or a combination of the two, as determined by the department. To aid in the preparation for the comprehensive examination, a reading list will be distributed to all majors at the time of registration.

22. Same Course as Science 22. *4 credit hrs.*

23, 23S. Same Course as Science 23, 23S. *4 credit hrs.*
May be elected as a 3 hour course without laboratory by juniors and seniors with the approval of the department.

25. ECOLOGY. Professor BROWER. *4 credit hrs.*
A study of the interrelations of living organisms and their environment. The natural regulation of animal numbers, problems of populations,

* *Absent on leave 1962–63.*

natural selection, and the origin and distribution of species will be discussed from an experimental approach. Three hours classroom and four hours laboratory or field work per week. Requisite: one semester in biology or the consent of the instructor. *Elective for sophomores. First semester.*

26. COMPARATIVE ZOOLOGY. Professor BROWER. *4 credit hrs.*

A comparative study of adaptation, behavior, and physiology in the animal kingdom. Problems of respiration, feeding, protection, sensory mechanisms, reproduction, and principles of behavior will be discussed. Three hours of classroom and four hours of laboratory or field work per week. *Elective for sophomores. Second semester.*

41. COMPARATIVE ANATOMY. Professor WOOD. *4 credit hrs.*

A study of the anatomy of vertebrates and a review of vertebrate evolution. Three hours classroom and four hours laboratory work per week. Requisite: One semester of biology. *Elective for Juniors. First semester.*

42. BOTANY. Mr. MASCARENHAS. *4 credit hrs.*

The relation of the study of plants to certain fundamental problems in biology. Selected topics covered are the ultra-structure of cells, photosynthesis, water transport, internal and environmental control of growth and development and evolution. Three hours of classroom and four hours of laboratory per week. Requisite: one semester each of biology and chemistry. *Elective for juniors (and sophomores with the consent of the instructor). Second semester.*

43. EMBRYOLOGY. Professor SCHOTTÉ. *4 credit hrs.*

A description of developmental processes in the vertebrates, with an introduction to the physiology of development. Four hours classroom and two hours laboratory work per week. Requisite: One semester of biology. *Elective for Juniors. First semester.*

44. GENETICS. Professor HEXTER. *4 credit hrs.*

The facts of heredity, basic and advanced. Three hours of classroom and four hours of laboratory work per week. Requisite: one semester of biology *Elective for juniors (or sophomores with the consent of the instructor). Second semester.*

48. EXPERIMENTAL MORPHOLOGY. *4 credit hrs.*
Professor SCHOTTÉ.

An analysis of the problems of differentiation, especially the role of hormones in morphogenesis and regeneration. Three hours classroom and four hours laboratory per week. Requisite: One semester in Biology. *Elective for Juniors. Second semester.*

51. BIOCHEMISTRY. Professor KIDDER. *4 credit hrs.*

A study of the fundamental chemical processes of living matter. Three hours classroom and four hours laboratory work per week. Requisite: One semester of biology and organic chemistry (which may be taken concurrently). *Elective for Juniors. First semester.*

53. CELLULAR PHYSIOLOGY. Mr. Mascarenhas. *4 credit hrs.*

A study of cellular function in relation to structure, with special emphasis on surfaces, cellular energetics, and the reactions of macro-molecules. Three hours classroom and four hours laboratory work per week. Requisite: one semester each of biology and chemistry. *Elective for Juniors. First semester.*

54. BACTERIOLOGY. Professor Leadbetter. *4 credit hrs.*

A study of the bacteria, yeasts and molds, their physiological activities and genetic relationships. Three hours classroom and four hours laboratory work per week. Requisite: Two semesters in biology and one course in chemistry. *Elective for Juniors. Second semester.* (*Omitted 1962–63.*)

55. VERTEBRATE PALEONTOLOGY. Professor Wood. *4 credit hrs.*

The evolution of vertebrates as shown by the study of fossils, and the relationship of environment to evolution. Three hours classroom and four hours laboratory work per week. (Same course as Geology 55.) Requisite: One semester in Biology or Geology 22. *Elective for Juniors. First semester.*

58. COMPARATIVE PHYSIOLOGY. *4 credit hrs.*

A study of the differences and similarities of biochemical phenomena in various organisms. A large portion of the course will be devoted to the species specificity of protein molecules. Three hours classroom and four hours laboratory work per week. Requisite: One upper class course in Biology. *Elective for Juniors. Second semester.* (*Omitted 1962–63.*)

71. BIOLOGY OF VIRUSES. Professor Leadbetter. *4 credit hrs.*

A classroom and seminar review of some recent studies of viruses, with special reference to the mode of virus multiplication. Three hours of classroom and four hours of laboratory work per week. Requisite: two semester courses in biology. *Elective for seniors with consent of the instructor. First semester.* (*Omitted 1962–63.*)

79, 80. BIOLOGY HONORS. The Staff. *4 credit hrs. first semester*
8 credit hrs. second semester

All honors students will take this course. The work consists of a combined seminar, specialized seminars, and individual research. Students will elect one of the following specialized seminar courses, with the approval of the department: Biochemistry and Microbiology, Evolution, Experimental Morphology, Genetics, and Radiation Biology. The course is designed for honors candidates, but is open to other advanced students with the consent of the Department. Requisite: Four semester courses in biology. *Elective for seniors. First and second semesters.*

91. SPECIAL TOPICS (Independent Reading Course.) *1–4 credit hrs.*
First semester.

92. SPECIAL TOPICS (Independent Reading Course.) *1–4 credit hrs.*
Second semester.

Biophysics

Advisory Committee: Professor BENSON; Associate Professor YOST,* Assistant Professor KROPF * (Chairman)

A student may receive the A.B. degree from Amherst with an interdepartmental major in biophysics. This program is designed for a few capable students who wish the breadth of experience this program provides or who wish to prepare for graduate study in this field. The course of study is organized from the course offerings of the various science departments whose disciplines bear on the active work in the area of biophysics. Only the honors course is offered as a course in biophysics.

By the end of his sophomore year, the student should have completed Biology 22, Chemistry 21 and 24, Mathematics 3, and Physics 24 or their equivalents. During his junior and senior year, his elections should include Biology 44 and 53, Chemistry 41, 42, 43, 44 and 46, Physics 51 or 52S, 55 and Mathematics 31. He should, if possible, also elect one or two more courses in either Biology or Physics, depending upon his interest. He should consider electing one or two junior level courses during his sophomore year if that is feasible. This will allow him more flexibility in his junior and senior years. (In any case, it is very important that he consult with a member of the advisory committee as early in his academic career as possible to determine the proper course elections.) He will choose his thesis advisor from those faculty members, in the various science departments, who are interested in this program and willing to direct a thesis in this area. The comprehensive examination will be administered by a committee made up of representatives from the science departments involved in the program.

79–80. SENIOR HONORS COURSE. *2–6 credit hrs. per semester. Minimum total 8 credit hours.*

The work consists of a seminar dealing with problems of current interest in biophysics and the preparation of a thesis based on an individual investigation under the direction of a faculty member.

Chemistry

Professors BEEBE and WHITNEY; Assistant Professors KROPF,* LANGFORD, RICHARDS and SILVER

A student considering a major in chemistry should seek the advice of a member of the Department as early as possible, preferably during his freshman year. This will help the student elect a program which best fits his interests and abilities and which makes full use of his previous preparation. Different programs can be arranged for students considering careers in chemistry, biochemistry, biophysical chemistry, medical research, medicine, and secondary school science teaching.

The minimum requirements for a major in chemistry are Science 21,

* *Absent on leave 1962–1963.*

Chemistry 24, 41, 42, 43, 44, Mathematics 3 and Physics 23 or 24. Chemistry 25 plus a more advanced course may be substituted for Science 21 and Chemistry 24. In certain cases advanced placement may be used as a prerequisite for Chemistry 41 or Chemistry 43.

A candidate for the degree with honors must also elect as a minimum Chemistry 79, 80 and Chemistry 71–72. Normally an honors candidate will complete the courses required of a major by the end of the junior year. It is highly desirable that an honors candidate, especially if his field of interest is physical chemistry, elect Physics 24, and also one or more additional semesters of physics and Mathematics 31 and 32. Honors candidates will attend the chemistry seminar during their junior and senior years, participating in it actively in the senior year. At this seminar, discussions of topics of current interest will be conducted by staff members, visitors and students.

In the senior year an individual thesis problem will be selected by the honors candidate in conference with some member of the Department. Current areas of research in the department are: organic reaction mechanisms, inorganic reaction mechanisms, biophysical chemistry, surface chemistry, and gas phase reaction kinetics. Each candidate will submit a thesis based upon his research work. Recommendations for the various levels of honors will be made by the Department on the basis of the thesis work and the comprehensive examination.

For a student planning graduate work in chemistry, honors, Chemistry 26 and a reading knowledge of German and/or Russian are desirable. (A student may satisfy the minimum standards of the American Chemical Society by taking an honors program including Chemistry 26 and by obtaining a reading knowledge of German.)

21. Same Course as Science 21. *4 credit hrs.*
Professors BEEBE, WHITNEY, and LANGFORD.

24. INORGANIC AND ANALYTICAL CHEMISTRY. *4 credit hrs.*
Professors BEEBE and LANGFORD.

A study of the chemistry of inorganic substances with special emphasis on ionic equilibria as met in chemical analysis. The methods of quantitative chemical analysis are applied to provide experimental data for testing certain physical chemical principles. Three hours classroom and four hours laboratory work per week. Requisite. Science 21. *Elective for Sophomores. Second semester.*

25. GENERAL AND ANALYTICAL CHEMISTRY. *4 credit hrs.*
Professor RICHARDS.

A study of chemical substances, their structure, their properties and their reactions. This course is intended as a one-semester preparation for Chemistry 41 and 43. Students who receive credit for Chemistry 25 may not receive credit for either Science 21 or Chemistry 24. Three hours classroom and four hours laboratory work per week. *Elective, with consent of instructor, for Sophomores. First semester.*

26. QUANTITATIVE ANALYTICAL CHEMISTRY. *4 credit hrs.*
Professor LANGFORD.

The discussion of methods for separation and determination of inorganic substances is continued from Chemistry 24 with emphasis on analysis as an application of equilibrium principles. Electrical and optical methods of chemical analysis are introduced in the lecture and the laboratory. Two hours classroom and eight hours laboratory work per week. Requisite. Chemistry 24 or 25. *Elective for Sophomores. Second semester.*

41. PHYSICAL CHEMISTRY. Professor RICHARDS. *4 credit hrs.*

A study of chemical thermodynamics, kinetics and atomic and molecular structure with application to systems of interest to chemists, physicists and biologists. Four hours of lectures and discussions per week. Requisite: Chemistry 24 or 25, Mathematics 3, and Physics 23 or 24, the latter being recommended for those going on in physical chemistry. *Elective for Juniors with the consent of the instructor. First semester.*

42. PHYSICAL CHEMISTRY. Professor RICHARDS. *3 credit hrs.*

A continuation of Chemistry 41. Three hours of lectures and discussions per week. Requisite: Chemistry 41. *Elective for Juniors. Second semester.*

43. ORGANIC CHEMISTRY. Professors WHITNEY and SILVER.
4 credit hrs.

General theory of organic chemistry, preparation of typical organic compounds, and introduction to organic qualitative analysis. Three hours classroom and four hours laboratory work per week. Requisite: Chemistry 24 or 25. *Elective for Juniors. First semester.*

44. ORGANIC CHEMISTRY. Professors WHITNEY and SILVER.
4 credit hrs.

A continuation of Chemistry 43. Requisite: Chemistry 43. *Elective for Juniors. Second semester.*

46. PHYSICAL CHEMISTRY LABORATORY. *3 credit hrs.*
Professor RICHARDS.

Experimental studies designed to illustrate the principles discussed in Chemistry 41–42. Two afternoons a week. Requisite: Chemistry 41 and concurrent registration in Chemistry 42. *Elective for Juniors. Second semester.*

71–72. MOLECULAR STRUCTURE
AND REACTION MECHANISM. *4–6 credit hrs.*
The Department.

Problems in molecular structure and reaction mechanism that are common to both organic chemistry and inorganic chemistry will be covered.

The laboratory work during the first semester of the course will encourage the student to integrate techniques from his inorganic, organic and physical laboratory experience by applying them to a series of chemical problems. Two hours lecture per week in each semester and 6 hours laboratory per

week in the first semester (four hours credit first semester, 2 hours credit second or two hours each semester without the laboratory). Requisite: Chemistry 41, 42, 43 and 44. *Elective for Seniors.*

79. HONORS COURSE. The Department. *2–6 credit hrs.*
Elective for honors candidates, and for others with the consent of the Department.

80. HONORS COURSE. The Department. *6 credit hrs.*
Elective for honors candidates, and for others with the consent of the Department.

Classics

Professors Humphries and Moore; Associate Professor Gould; Assistant Professor P. K. Marshall; Mr. Dolin.

Note: All courses offered by the Department which are numbered 4 or higher may be used to satisfy the sophomore humanities requirement.

All courses offered by the Department may be counted toward a major except those numbered 1 and 2. A major may be entirely in Greek or entirely in Latin and will then consist of eight semester courses, two of which may be in related fields. A major in Classics will consist of eight semester courses in the Classics, which may be divided in any proportion between Greek and Latin, except that not less than two may be taken in either language. Every *rite* student majoring in the Classics Department, whether in Classics, Greek, or Latin, will write a comprehensive examination in the spring of his senior year. This examination will in general resemble the honors examination described below, except that of course there will be no questions specifically on the candidate's honors work.

Honors may be awarded to those candidates who major in Greek or in Latin or in Classics and who take eight semester courses in the Department. Every honors candidate must include in his program those courses numbered 41, 42, 79 and 80 in either Greek or Latin. He must submit a long essay (6000–7000 words) on some topic connected with his honors work and approved by the Department. He must have read extensively in Greek or Latin literature or both. He must also read independently, i.e., not as a part of the work in a course, approximately 50 pages of some Greek or Latin text selected with the approval of the Department. Early in May he will be given a written examination covering: a) his honors work; b) his reading in the Classical literatures. The emphasis in this examination will be on the literary and historical interpretation of major authors; there will be considerable latitude of choice between various

optional questions. The award of honors will be determined by the quality of the candidate's course work, of his essay, and of his performance in the general examination.

The Department will cooperate with other departments in giving combined majors with honors.

The statement of requisites given below is intended only to indicate the degree of preparation necessary for each course, and exceptions will be made in special cases.

23S. CLASSICAL CIVILIZATION.
Professor Moore and Mr. Dolin. *3 credit hrs.*

(Same course as History 23S) A study of the civilization of Greece from Homer to Alexander and its contribution to the civilization of the West. Readings from Greek literature will be included among the materials of the course. No knowledge of the ancient languages is required. Three hours of classroom work per week. *Elective for Sophomores. Second semester.*

24. CLASSICAL CIVILIZATION. Professor Marshall. *3 credit hrs.*

(Same course as History 24.) A study of Roman civilization and its contribution to the civilization of the West. Readings from Latin literature will be included among the materials of the course. No knowledge of the ancient languages is required. Three hours of classroom work per week. *Elective for Sophomores. Second semester.* (*Omitted 1962–63.*)

53. PLATO AND ARISTOTLE. Professor Gould. *4 credit hrs.*

(Same course as Philosophy 53.) Several major works by each of these philosophers will be read in their entirety and discussed in class. The chief aim of the course will be to achieve a comprehension of the major philosophical positions of these writers, though some attention will also be paid to the historical developments, the antecedents, and the subsequent influence of their ideas. All readings will be in English. Three class hours per week. *Elective for Juniors. Limited to twenty-five students. First semester.*

Greek

1. INTRODUCTION TO THE GREEK LANGUAGE. *4 credit hrs.*
Professor Marshall.

Four hours of classroom work per week. *Elective for Freshmen. First semester.*

1S. INTRODUCTION TO THE GREEK LANGUAGE. *4 credit hrs.*
Professor Gould.

Four hours of classroom work per week. *Elective for Freshmen. Second semester. This course may be taken only with the consent of the Department. Students interested should consult a representative of the Department.*

2. INTRODUCTION TO THE GREEK LANGUAGE. *4 credit hrs.*
Professor MOORE.

A continuation of Greek 1. Plato's *Apology* will be read. Requisite: Greek 1 or its equivalent. Four hours of classroom work per week. *Elective for Freshmen. Second semester.*

3. THE ILIAD. Professor GOULD. *4 credit hrs.*

Requisite: Greek 1 and 2 or their equivalent. Four hours of classroom work per week. *Elective for Freshmen. First semester.*

4. THE ODYSSEY. *4 credit hrs.*

Requisite: Greek 3 or its equivalent. Three one-hour class meetings per week. *Elective for Freshmen. Second semester.* (*Omitted in 1962–63.*)

5. DIALOGUES OF PLATO. Mr. DOLIN. *4 credit hrs.*

One long or two shorter dialogues will be read. Requisite: Greek 3 or its equivalent. Three one-hour class meetings per week. *Elective for Freshmen. First semester.*

6. GREEK TRAGEDY. Mr. DOLIN. *4 credit hrs.*

Aeschylus' *Prometheus* and Sophocles' *Oedipus Tyrannus.* Requisite: Greek 3 or its equivalent. Three one-hour class meetings per week. *Elective for Freshmen. Second semester.*

21. STRUCTURE AND IDIOM OF THE GREEK LANGUAGE
Professor GOULD. *2 credit hrs.*

This course is designed to strengthen and refine the student's mastery of the Greek language. There will be two principal types of exercise, *viz.:* a) translation of English passages into Greek and original composition in Greek; and b) close scrutiny of selected passages of classic Greek prose. One hour of classroom work per week. *Elective for Sophomores. First semester.*

22. STRUCTURE AND IDIOM OF THE GREEK LANGUAGE.
Mr. DOLIN. *2 credit hrs.*

A continuation of Greek 21. One hour of classroom work per week. *Elective for Sophomores. Second semester.*

41, 42. ADVANCED READINGS IN GREEK LITERATURE.
Professors MOORE, GOULD. *4 credit hrs.*

The authors read in these courses vary from year to year, the selection being made according to the interests and needs of the students. Examples: Plato's *Republic* and Aristotle's *Ethics;* lyric poetry, including Pindar and Bacchylides; Demosthenes and Thucydides; the writers of the Archaic Period. (In 1962–63 the fall semester will be devoted to the literature of the Archaic Age, and the spring semester to Plato's *Republic.*) Requisite: Greek 6. *Seminar course; elective for Juniors. First and second semester.*

79, 80 SENIOR HONORS COURSE. *6 credit hrs.*

Latin

1S. INTRODUCTORY COURSE. Professor MARSHALL. *4 credit hrs.*
A rapid introduction to the Latin language. Three one-hour meetings per week. *Elective for Freshmen. Second semester. This course may be taken only with the consent of the Department. Students interested should consult a representative of the Department.*

3. INTERMEDIATE COURSE. Mr. DOLIN. *4 credit hrs.*
Review of Latin grammar; selections from Latin prose and poetry. Requisite: Latin 1–2, or two or three entrance units in Latin. Four one-hour class meetings per week. *Elective for Freshmen. First semester.*

4. MEDIAEVAL LATIN. *4 credit hrs.*
Readings in the literature of the Latin Middle Ages. Requisite: Latin 3, or three entrance units in Latin. Three one-hour class meetings per week. *Elective for Freshmen. Second semester. This course may be elected only with the consent of the Department. Students interested should consult a representative of the Department. (Omitted 1962–63.)*

5. CICERO'S PRO CAELIO; SELECTIONS FROM CATULLUS. Professor MARSHALL. *4 credit hrs.*
Attention will be given to Cicero and Catullus as literary artists and as interpreters of the society of the late Republic. Requisite: Latin 3, or four entrance units in Latin. Three one-hour class meetings per week. *Elective for Freshmen. First semester.*

6. HORACE. Mr. DOLIN. *4 credit hrs.*
Requisite: Latin 4 or 5, or four entrance units in Latin. Three one-hour class meetings per week. *Elective for Freshmen. Second semester.*

21. STRUCTURE AND IDIOM OF THE LATIN LANGUAGE. Professor MARSHALL. *2 credit hrs.*
A course designed to strengthen and refine the student's mastery of the Latin language. There will be two principal types of exercise, *viz.:* a) translation of English passages into Latin and composition in Latin; and b) close scrutiny of selected passages of classic Latin prose. One hour of classroom work per week. *Elective for Sophomores. First semester.*

22. OVID. Professor HUMPHRIES. *4 credit hrs.*
Requisite: Latin 5 or 6. Three hours of classroom work per week. *Elective for Sophomores. Second semester.*

27. LATIN POETRY: LYRIC AND PASTORAL. *2 credit hrs.*
Professor HUMPHRIES.
(Same course as English 27.)
Intended for students of literature who wish to acquire some knowledge of the tradition of Latin poetry. Poems of Catullus, Horace, and Virgil will be read and interpreted from a literary point of view, and attention

will be paid to similar poems in English. Students must have some knowledge of Latin and some familiarity with poetry. Two hours of classroom work per week. *Elective for Sophomores. First semester. Limited to fifteen students. Those interested should obtain the consent of the instructor.*

28. VIRGIL'S AENEID. Professor MARSHALL. *4 credit hrs.*

At least three books will be read in Latin with close attention to the text, and the whole poem will be studied in translation. The emphasis of the course will be on Virgil's poem as a work of literature and as an expression of classical civilization. Requisite: Latin 5 or 27 or the consent of the instructor. Three regular one-hour class meetings per week; a fourth meeting for students who may need special help with the language. *Elective for Sophomores. Second semester.*

41, 42. ADVANCED READINGS IN LATIN LITERATURE.
Professor MARSHALL. *4 credit hrs.*

The authors read in these courses vary from year to year, the selection being made according to the interests and needs of the students. Examples: Livy and Tacitus; Roman Satire; Roman Comedy; Propertius and Tibullus; Cicero's philosophical works. (In 1962–63 the first semester will be devoted to readings in the Roman historians, and the second semester to readings in Latin literature of the Silver Age.) Requisite: Latin 5 or 6 or the consent of the instructor. Two or three hours of classroom work per week. *Elective for Juniors. First and second semesters. Seminar course.*

79, 80. SENIOR HONORS COURSE. *6 credit hrs.*

Dramatic Arts

Professors McGOUN and ROGERS; Associate Professor BOUGHTON; Mr. SUGG.

Note. Majors: Students majoring in Dramatic Arts must complete Dramatic Arts 23, 25, 26, 43, 44, and either 71, 72 or 79, 80.

Courses in other departments recommended for major students: English 25, 26, 41; Fine Arts 23, 24, 25; French 29, 43, 44; Music 46; Theater 37a, 37b (Smith).

Honors: Honors projects may be developed in consultation with members of the department.

Dramatics 23 or 23S may be used in satisfaction of the sophomore humanities requirement and will be prerequisite for all other courses in the department.

A comprehensive examination on dramatic literature in its historical context and its expression through the theater arts will be required of all majors.

23. INTRODUCTION TO THE THEATER ARTS. *3 credit hrs.*
Professors BOUGHTON, MCGOUN, and ROGERS; Mr. SUGG.
A consideration of the materials of creative expression in drama. An investigation into the arts of the theater. Three hours of classroom work per week. *Elective for Sophomores. First semester.*

23S. INTRODUCTION TO THE THEATER ARTS. *3 credit hrs.*
(Same as Dramatic Arts 23.) *Second semester.*

25. BACKGROUNDS OF THE MODERN DRAMA. *3 credit hrs.*
Professor MCGOUN and Mr. SUGG.
The origins and development of the drama from the Greeks to the 18th century. Requisite: Dramatic Arts 23 or 23S. Three hours of classroom work per week. *Elective for sophomores. First semester.*

26. MODERN DRAMA. Professor MCGOUN and Mr. SUGG. *3 credit hrs.*
18th century to the present. Requisite: Dramatic Arts 23 or 23S. Three hours of classroom work per week. *Elective for Sophomores. Second semester.*

43. PRINCIPLES OF DRAMATIC PRODUCTION. *3 credit hrs.*
Professors BOUGHTON, MCGOUN and ROGERS.
A study of directing, acting, scene design and stage lighting considered as instruments of dramatic interpretation. Requisite: Dramatic Arts 23 or 23S. Three hours classroom work per week. *Elective for Juniors. First semester.*

44. PRINCIPLES OF DRAMATIC PRODUCTION. *3 credit hrs.*
Professors BOUGHTON, MCGOUN and ROGERS.
Continuation of Dramatic Arts 43. Requisite: Dramatic Arts 43. Three hours of classroom work per week. *Elective for Juniors. Second semester.*

71. ADVANCED STUDY. The Department. *4 credit hrs.*
Advanced work in one of the following fields of Dramatic Arts: Directing, Scene Design, Stage Lighting, Dramatic Literature. Classroom meetings, reports and conferences, projects. Limited to 15 students. *Elective for seniors with the consent of the department. First semester.*

72. ADVANCED STUDY. The Department. *4 credit hrs.*
Continuation of Dramatic Arts 71. *Elective for Seniors with the consent of the Department. Second semester.*

79. CONFERENCE COURSE. The Department. *4–8 credit hrs.*
Conference course for students majoring in Dramatic Arts. Selected topics of study. *Elective for Seniors with the consent of the Department. Required of candidates for honors. First semester.*

80. CONFERENCE COURSE. The Department. *4–8 credit hrs.*
Continuation of Dramatic Arts 79. *Elective for Seniors with the consent of the Department. Required of candidates for honors. Second semester.*

Economics

Professors Nelson,† Taylor,‡ Thorp,† and Warne; Associate Professor Collery; Assistant Professors Beals and Köhler; Mr. Kleinberg.

The following courses are required for a major in Economics:
Rite Students: Economics 21, 43, 73, 74.
Honor Students: Economics 21, 43, 79, 80.

Each candidate for a degree in Economics will be examined by the Department on his work in Economics, and on the contents of his thesis, at the close of his senior year.

18. INTRODUCTION TO THE ANALYSIS OF ECONOMIC PROBLEMS. Mr. Kleinberg. *1 credit hr.*

A course designed to acquaint the student with the major approaches of economists to questions of economic policy and analysis. Primarily offered for those who will be unable to enroll in Economics 21. One class hour per week. *Elective for Seniors. Second semester.*

21. AN INTRODUCTION TO ECONOMICS. *4 credit hrs.*

Professors Collery, Köhler and Beals; Mr. Kleinberg.

A study of the central functions and problems of an economic system, of the principles and practices of our own economy, and of other forms of economic organization and control. One lecture and three hours of discussion each week. Prerequisite or corequisite for all other courses in economics, except Economics 18. *Elective for Sophomores. First semester.*

21S. AN INTRODUCTION TO ECONOMICS. *4 credit hrs.*

Professors Nelson, Collery, Köhler and Beals; Mr. Kleinberg.

Same description as above. *Elective for Freshmen. Second semester.*

24. THE AMERICAN ECONOMY. Professor Nelson. *4 credit hrs.*

An examination of the structure and operation of the economic system of the United States, with particular emphasis upon the different types of markets and industrial structures, the role and behavior of the price mechanism, the evolution of public policies, and selected current economic issues. Two lectures and two hours of discussion each week. Requisite: Economics 21. *Elective for Sophomores. Second semester.*

26. CONSUMER ECONOMICS. Professor Warne. *4 credit hrs.*

A historical study of the consumer in economic theory and practice. One two-hour seminar each week. Requisite or corequisite: Economics 21. *Elective for Sophomores. Second semester.*

† *Absent on leave first semester.*
‡ *Absent on leave second semester.*

41. COMPARATIVE ECONOMIC SYSTEMS. *4 credit hrs.*
Professor WARNE.

A study and comparison of the principal types of economic systems with special emphasis upon the position of labor in each. Requisite or corequisite: Economics 21. Four lectures each week. *Elective for Sophomores. First semester.*

42. LABOR ECONOMICS. Professor WARNE. *4 credit hrs.*

A survey of the position of labor in our modern economy and of the development and status of labor legislation and social security measures. Three lectures and one hour of discussion each week. Requisite or corequisite: Economics 21. *Elective for Sophomores. Second semester.*

43. MONEY, BANKING, AND NATIONAL INCOME. *4 credit hrs.*
Professors COLLERY and KÖHLER.

A study of money and finance and their relation to the functioning of an economic system. An introduction to the theory of income determination with an indication of the role that money and finance play in the determination of employment, production and prices. Requisite: Economics 21 or the permission of the Department. Four class hours per week. *Elective for Sophomores. First semester.*

44. PUBLIC FINANCE AND BUSINESS CYCLES. *4 credit hrs.*
Professor THORP.

An analysis of the nature and causes of business fluctuations and of their economic and social effects. A study of taxing, spending and debt policies of government units and their relationship to both business fluctuations and long-run behavior of the economic system. Four class hours per week. Requisite: Economics 21. *Elective for Juniors. Second semester.*

45. ECONOMIC STATISTICS. Professor BEALS. *4 credit hrs.*

A study of the sources of quantitative economic data, with special emphasis on the application of statistical methods to economic problems. Three lectures and two hours of laboratory work each week. Requisite: Economics 21. *Elective for Juniors. First semester. Limited to twenty-five students.*

46. ACCOUNTING. Professor NELSON. *1 credit hr.*

A study of the principles of accounting as related to corporate finance, and elementary investment analysis. Extensive work with actual corporate material. One hour of classroom work per week. Requisite: Economics 21. *Elective for Juniors. Second semester. Limited to 25 students.*

51. MONOPOLY REGULATION. Professor NELSON. *3 or 4 credit hrs.*

The theory of monopoly pricing and of price discrimination; objectives and methods of public control of prices, profits, and service by public utilities and transportation agencies. Three hours of classroom work per week. Requisite: Economics 21. *Elective for Juniors. First semester.* (*Omitted 1962–63.*)

53. INTERNATIONAL TRADE AND PAYMENTS. *4 credit hrs.*
Professor KÖHLER.

A study of the economic relationships among countries with special emphasis on theoretical analysis: the balance of payments and the foreign exchange market including price and income effects in the balance of payments adjustment process; the theory of international trade; policy problems of trade restrictions, external vs. internal balance and international monetary cooperation. Four hours of classroom work per week. Requisite: Economics 21. *Elective for Juniors. First semester.*

54. ECONOMIC DEVELOPMENT. Professor THORP. *4 credit hrs.*
An examination into the problems of economic growth with particular reference to less developed countries; the interaction of economic and noneconomic factors, population growth and the labor force, capital requirements, market development, foreign investment and aid, and the role of government. Requisite: Economics 21. *Elective for Juniors. Second semester.*

55S. INTRODUCTION TO MATHEMATICAL ECONOMICS AND ECONOMETRICS. Professor BEALS. *4 credit hrs.*
An introduction to linear, nonlinear, continuous dynamic, and sequence models in economics; linear programming; the statistical Leontief system; simple and multivariate regression; multiple relations. Four hours of classroom work per week. Requisites: Economics 21 and one other economics course. *Elective for Juniors. Second semester.*

63. AMERICAN ECONOMIC HISTORY. *4 credit hrs.*
Professor TAYLOR.

A study of economic history of the U.S., with emphasis on historical aspects of economic development prior to the Civil War. One two-hour seminar each week. Requisite: Economics 21. *Elective for Juniors; limited to fifteen students. First semester.*

64. AMERICAN ECONOMIC HISTORY. MR. KLEINBERG. *4 credit hrs.*
A study of economic history of the U.S. with emphasis on historical aspects of economic development from the Civil War to the present. One two hour seminar per week. Requisite: Economics 21. *Elective for Juniors; limited to fifteen students. Second semester.*

66. PROBLEMS OF ECONOMIC POLICY. *4 credit hrs.*
Professor KÖHLER.

A study of the theory and practice of planned economics with particular reference to the Soviet Union. Requisite: Economics 21. *Elective for non-majors with the consent of the instructor.* Two two-hour seminars per week. *Second semester.*

70. THEORY OF PRICE. Professor COLLERY. *4 credit hrs.*
An introduction to the theory of utility and demand; the nature of cost and the production function; diminishing returns and short-run cost curves; returns to scale and long-run cost curves; competitive pricing; the pricing of productive services; the theory of monopoly; the theory of oligopoly; cartels and unions; the distribution of income; general equilibrium. One two-hour seminar per week. Requisite: Economics 21. *Elective for non-majors with the consent of the Department. Second semester.*

73. SENIOR RITE SEMINAR. HISTORY OF ECONOMIC THOUGHT. The Department. *4 credit hrs.*
An examination of the contributions to the development of economics made by such economists as Adam Smith, David Ricardo, Karl Marx, Alfred Marshall, and Lord Keynes. Special attention will be paid to the environmental influences on their intellectual development. *Required of senior rite majors in Economics, may be elected by senior honors majors in economics who do not enroll in Economics 79; open to other students by permission of the Department. First semester.*

74. SENIOR RITE SEMINAR. The Department. *6 credit hrs.*
Preparation of a thesis on a topic approved by the department. *Required of all Seniors majoring in Economics who are not candidates for Honors. Second semester.*

79. ECONOMICS HONORS. *4 credit hrs.*
The Department.
A study of the development of economic thought as exemplified in the writings of a few selected economists, e.g., Smith, Ricardo, Marx, and Keynes, with emphasis placed on the analytical content. In addition to this survey several special fields of economics will be treated, e.g., the operation of the market mechanism vs. planning, the role of the rate of interest in various systems, and problems in the field of welfare economics. *Required of all Seniors majoring in Economics who are candidates for Honors. Elective for others with permission of the Department. First semester.*

80. ECONOMICS HONORS. The Department. *8 credit hrs.*
Preparation of a thesis on a topic approved by the Department. *Required of all Seniors majoring in Economics who are candidates for Honors. Second semester.*

91. SPECIAL TOPICS (Independent Reading Course.) *1–4 credit hrs.*
First semester.

92. SPECIAL TOPICS (Independent Reading Course.) *1–4 credit hrs.*
Second semester.

Education

Professor Kennedy; Associate Professor Grose; Assistant Professor Hawkins; Mrs. Olver.

36. THE HISTORY OF AMERICAN EDUCATION. *4 credit hrs.* Professor Hawkins.

(Same course as History 36.) *Elective for Sophomores. Limited to 25 students. Second semester.*

41S. PHILOSOPHY OF EDUCATION. Professor Kennedy. *3 credit hrs.*

(Same course as Philosophy 41S.) *Elective for Juniors. Second semester. (Omitted 1962–63.)*

43. EDUCATIONAL PSYCHOLOGY. Professor Grose. *3 credit hrs.*

(Same course as Psychology 43.) Requisite: Psychology 21. *Elective for Juniors with consent of the instructor; limited to fifteen students. First semester.*

47. DEVELOPMENTAL PSYCHOLOGY. *3 credit hrs.* Mrs. Olver.

(Same course as Psychology 47.) Requisite: Psychology 21. *Elective for Juniors. First semester.*

English

Professors Baird ‡, Craig, DeMott, Humphries, Marx, and McKeon; Visiting Professor Summers; Assistant Professors Cameron, Guttmann, Heath *, and Pritchard; Messrs. Coles, Crowne, and Townsend

Note: All English majors are required to elect English 21–22, English 63–64, and four other semester courses, exclusive of English 1–2, offered or approved by the English Department.

Candidates for honors in English are required to complete the following courses: English 21–22, English 25–26, English 49, English 63–64, English 70S, English 79–80. Beginning in 1961–62 senior candidates for honors should elect English 70S [*3 credit hrs.*], English 79 [*3 credit hrs.*], and in the second semester English 80 [*6 credit hrs.*].

English 21, 22, 25 or 26 may be taken in satisfaction of the sophomore humanities requirement.

The comprehensive examination in English, required of both majors and honors candidates, will be given in May of the senior year. Beginning with the Class of 1964 the examination will be given in January of the senior year. It will consist of two parts.

Part I will be factual, objective, informational. Its purpose is to promote those regular habits of study through which the student of literature as a matter of course acquaints himself with such matters of fact as authors' names and dates, exact titles and dates of major works, the common varieties of verse, major literary forms, etc.

* *Absent on leave 1962–63.*

‡ *Absent on leave second semester.*

Part II will test the student's awareness of the historical development of English and American literature. It will do so by requiring him to arrange in chronological order, to date as closely as he can, and to characterize briefly with respect to their periods a number of passages in both verse and prose from the 16th century to the present. Some passages will be from works that all candidates will have read, selected from a reading list distributed at the end of sophomore year. Some passages will not be drawn from the reading list. They will be characteristic of the periods in which they were written and will parallel in form or style contemporaneous works on the list, but they will be treated "at sight" — they will come from works that few candidates will be likely to have read. The reading list for the Class of 1963 includes only works that are required. The reading list for subsequent classes includes required works (insufficient for passing the examination) together with suggestions for further reading.

The examination as a whole will ascertain whether students of American and English literature know, in the simplest and most obvious terms, where they have been and what they have been reading in their preceding semesters of study.

1. COMPOSITION. *2 credit hrs.*

Professors Baird (Chairman), Cameron, Craig, DeMott, Guttmann, Marx, and Pritchard and Messrs. Coles, Crowne, and Townsend.

Three hours of classroom work per week. *Required for Freshmen. First semester.*

2. COMPOSITION. *2 credit hrs.*

Professors Cameron, Craig, DeMott, Guttmann, and Pritchard and Messrs. Coles, Crowne, and Townsend.

Two hours of classroom work per week. Requisite: English 1. *Required for Freshmen. Second semester.*

21. INTRODUCTION TO LITERATURE. *3 credit hrs.*

Professors Cameron, DeMott (Chairman), Guttmann, Pritchard, Summers and Messrs. Crowne, and Townsend.

The aim of this course is to teach critical reading of literature. The material read in any one year is limited to a small number of works of prose and poetry. Required for a major in English. Alternate course in humanities sequence. Three hours of classroom work per week. *Elective for Sophomores. First semester.*

22. INTRODUCTION TO LITERATURE. *3 credit hrs.*

Professors Cameron, Crowne, Pritchard (Chairman), and Messrs. Coles, and Townsend.

A continuation of English 21. Requisite: English 21. Required for a major in English. Alternate course in Humanities sequence. Three hours of classroom work per week. *Elective for Sophomores. Second semester.*

23. ADVANCED COMPOSITION. Professor HUMPHRIES. *4 credit hrs.*
A course in disciplined writing, both prose and verse. Students are expected to work independently without specific assignments. Class discussions of manuscripts and frequent conferences with the instructor. One two-hour meeting per week. *Elective for Sophomores with the consent of the instructor. First semester. Limited to fifteen students.*

24. ADVANCED COMPOSITION. Professor HUMPHRIES. *4 credit hrs.*
A continuation of English 23. One two-hour meeting per week. *Elective for Sophomores with the consent of the instructor. Second semester. Limited to fifteen students.*

25. SHAKESPEARE. Professor BAIRD. *3 credit hrs.*
A reading of the plays in a chronological order. Emphasis on Shakespeare's development as dramatist and poet. Requisite: A grade of B in a previous English course. Alternate course in humanities sequence. Three hours of classroom work per week. *Elective for Sophomores. First semester.*

26. SHAKESPEARE. Professor DEMOTT. *3 credit hrs.*
A continuation of English 25. Requisite: English 25. Three hours of classroom work per week. *Elective for Sophomores. Second semester.*

27. LATIN POETRY: LYRIC AND PASTORAL. *2 credit hrs.*
Professor HUMPHRIES.
(Same course as Latin 27.) *Elective for Sophomores. First semester.*

41S. THE RENAISSANCE: THE SIXTEENTH CENTURY. *4 credit hrs.*
A study of Renaissance narrative, especially Spenser's *The Faerie Queene* and the major Elizabethan dramas. *Elective for Juniors. Second semester.* (*Omitted 1962–63.*)

42S. THE RENAISSANCE: THE SEVENTEENTH CENTURY.
Professor SUMMERS. *4 credit hrs.*
A study of the poetry of Milton and of the Metaphysical Poets in relation to some religious and philosophic assumptions of the seventeenth-century writer. Three one hour meetings per week. *Elective for Juniors. First semester.*

43. AMERICAN LITERATURE. *3 credit hrs.*
Professor MARX.
A survey of American literature from the seventeenth century to 1900 with emphasis on major figures. Three hours of classroom work per week. *Elective for Juniors. First semester.*

44. AMERICAN LITERATURE. *3 credit hrs.*
Professor MARX.
A continuation of English 43. Three hours of classroom work per week. *Elective for Juniors. Second semester.*

45. READINGS IN THE ENGLISH NOVEL. *3 credit hrs.*
Professor CAMERON.
A study of some major works, mainly of the nineteenth century. *Three hours of classroom work per week. Elective for Juniors. First semester.*

49. CHAUCER. Mr. CROWNE. *4 credit hrs.*
Chaucer's major works in the original. Four hours of classroom work per week. *Elective for Juniors, and for Sophomores who have a grade of B in English and who plan to become candidates for the degree with honors in English. First semester. Limited to twenty-five students.*

50S. READINGS IN MEDIEVAL LITERATURE. *3 credit hrs.*
Professor BAIRD.
A consideration of the structure and meaning of narrative in certain works of medieval literature. Most of the reading is in translation. *Elective for Juniors. First semester. Seminar course limited to ten students, admission with consent of the instructor. (Omitted 1962–63.)*

51. JOYCE. *4 credit hrs.*
A study of the work of James Joyce in relation to the development of culture in the first part of the twentieth century. Three hours of classroom work per week, and one additional hour devoted to reading and discussion in small groups. *Elective for Juniors. First semester.*
(Omitted 1962–63.)

52. MODERN POETRY. Professor PRITCHARD. *3 credit hrs.*
A study of the poetry and relevant critical writings of Yeats, Pound, Eliot, Frost and Wallace Stevens. Some attention will be given to contemporary poets. Three hours of classroom work per week. *Elective for Juniors. Second semester.*

53. READINGS IN EIGHTEENTH CENTURY LITERATURE.
Professor PRITCHARD. *3 credit hrs.*
For 1962–63 the area of study is Augustan poetry and its decline, with emphasis on the poetry of Pope and Wordsworth, and the criticism of Samuel Johnson. Some attention will be given to Thomson, Gray, Goldsmith, Cowper and Crabbe. Three hours of classroom work per week. *Elective for Juniors. First semester.*

55. READINGS IN NINETEENTH CENTURY CONTINENTAL FICTION. Professor DEMOTT. *3 credit hrs.*
Among the authors to be read in 1962–63 will be Balzac, Stendhal, Gogol, Tolstoy, Turgenev and Dostoevski. Three hours of classroom work per week. *Elective for Juniors. First semester.*

57. READINGS IN ROMANTIC POETRY. *3 credit hrs.*
Professor HEATH.
A study of selected major poets from Blake to Byron, with attention to the relevance of biographical knowledge. One two-hour meeting per week.

Seminar course limited to 15 students. Elective for Juniors. First semester. (Omitted 1962–63.)

62. READINGS IN MODERN FICTION. *3 credit hrs.*
Professor GUTTMANN.
A study of some novels written in the twentieth century and a consideration of the novelist's position in modern society. Three hours of classroom work per week. *Elective for Juniors. Second semester.*

63. ENGLISH LITERARY HISTORY. Professor CRAIG. *3 credit hrs.*
The development of English literature from Chaucer to Dr. Johnson. Required for a major in English. Three hours of classroom work per week. *Elective for Juniors. First semester.*

64. ENGLISH LITERARY HISTORY. Professor CRAIG. *3 credit hrs.*
The development of English literature from the late eighteenth century to the early twentieth. Requisite: English 63. Required for a major in English. Three hours of classroom work per week. *Elective for Juniors. Second semester.*

65S. READINGS IN AMERICAN LITERATURE. *4 credit hrs.*
Professor MARX.
A study of major American writers; the particular authors considered will vary from year to year. *Elective for Juniors. Second semester. Seminar course limited to ten students, admission with the consent of the instructor.*

67. STUDIES IN VICTORIAN LITERATURE. *3 credit hrs.*
Professor CRAIG.
Readings in selected poets and novelists from Tennyson to Hardy, with special attention to the relation between the writer and his public. *Elective for Juniors. First Semester. Seminar course limited to 10 students, admission with the consent of the instructor.*

70S. AN INTRODUCTION TO LITERARY SCHOLARSHIP. Mr. COLES. *3 credit hrs.*
A study of the characteristics of literary knowledge as defined by the student's interpretation of the relation between criticism, scholarship and literature. One two-hour meeting per week. *Required for Senior Honors candidates in English. Others require permission of the instructor. First semester.*

73. CREATIVE WRITING. Professor HUMPHRIES. *2 credit hrs.*
Continuation of English 23–24. An advanced course in disciplined writing, both prose and verse. Students are to work independently without specific assignments. Fortnightly individual conferences with instructor. Limited to fifteen students. Requisite: English 23–24 and the consent of the instructor. *Elective for Juniors. First semester.*

74. CREATIVE WRITING. Professor HUMPHRIES. *2 credit hrs.*
Continuation of English 73. Limited to fifteen students. Requisite: English 73 and consent of the instructor. *Elective for Juniors. Second semester.*

79–80. CONFERENCE COURSE. The Department. *3–6 credit hrs.*
Elective for Seniors.

91. SPECIAL TOPICS. (Independent Reading Course). *1–4 credit hrs.*
First semester.

92. SPECIAL TOPICS. (Independent Reading Course). *1–4 credit hrs.*
Second semester.

Fine Arts

Professors C. MORGAN and ROGERS; Associate Professors TRAPP* and SCHMALZ; Mr. SERENYI

Note: A major in fine arts consists of six semester courses in the department, including Fine Arts 23 or 26 and Fine Arts 25 or 25S and two semester courses in allied fields. Honors in fine arts will include the foregoing with the addition of Fine Arts 79–80. Fine Arts 25 or 25S is normally the prerequisite for all advanced courses in the historical aspect of the subject except for Fine Arts 42; and Fine Arts 23 or 26 is normally the prerequisite for all advanced courses in the technical aspects of the field.

In view of the diversity of elections within the major and the opportunity of applying credit for courses taken at neighboring institutions towards the fulfillment of the major, the Fine Arts Department will devise comprehensive examinations appropriate to the course elections of the individual student.

Fine Arts 25 or 25S may be used in satisfying the Sophomore humanities requirement.

23. ELEMENTARY TECHNIQUE AND DESIGN. *3 credit hrs.*
Professor ROGERS.
Design, composition and line and form drawing in pencil, charcoal, crayon, pen and ink, and chalk. One lecture and two two-hour laboratory periods per week. No previous training required. *Elective for Sophomores. First semester.*

24. WATERCOLOR. Professor ROGERS. *3 credit hrs.*
Elementary color theory and technique of water color painting. Requisite. Fine Arts 23 or the consent of the instructor. One lecture and two two-hour laboratory periods per week. *Elective for Sophomores. Second semester.*

25. SURVEY OF THE HISTORY OF ART. *3 credit hrs.*
Professor MORGAN and Mr. SERENYI
The development of the major arts from the earliest time to the present day, with a special emphasis on the manner in which they reflect the

* *Absent on leave 1962–63.*

successive civilizations that produced them. Three hours of classroom work per week. *Elective for Sophomores. First semester.*

Students in this course interested in applying some of its principles in the form of gallery problems and elemental drawing may elect an additional one-to-two hour section for one additional credit hour, a total of four credit hours for the course.

25S. INTRODUCTION TO THE HISTORY OF ART. *3 credit hrs.*
Professor SCHMALZ.

A topical examination of works of painting, sculpture and architecture selected from a variety of contexts intended to develop the student's ability to respond to the individual work of art in critical, as well as historical terms. Three hours of classroom work per week. *Elective for Sophomores. Second semester.*

26S. INTRODUCTORY STUDIO. Professor SCHMALZ. *3 credit hrs.*

A series of projects in drawing and design to introduce fundamental problems of description, organization, and artistic expression. These projects will relate to selected topics in art history, with the aim of correlating creative experience with history and criticism. Various drawing mediums and oil painting will be introduced. One three-hour class period per week, plus outside reading and practice assignments. No prior studio experience is required or special talent expected. *Elective for Sophomores. First semester.*

41. MAJOR ARCHITECTURAL DEVELOPMENTS FROM THE MIDDLE AGES TO MODERN TIMES. *3 credit hrs.*
Mr. SERENYI.

A careful consideration of the major styles and examples of European architecture from the 10th to the 20th centuries. Particular attention is given to the interpretation of architectural imagery as a reflection of the human concerns of a given period. Three hours of classroom work per week. *Elective for Juniors. First semester.*

42. FOUR GREEK SITES. Professor C. MORGAN. *3 credit hrs.*

A study of Athens, Corinth, Delphi and Olympia with especial reference to their development and their contribution to the art and culture of classical civilization. Three hours of classroom work per week. *Elective for Juniors. Second semester.* (*Omitted 1962–63.*)

43S. RENAISSANCE ART. Mr. SERENYI. *3 credit hrs.*

A selective examination of the form and content of European art from the early 15th to the end of the 16th centuries, with emphasis upon the major artists of Italy. Three one hour lectures per week. Requisite: Fine Arts 25 or 25S, or permission of the instructor. *Elective for Juniors. Second semester.*

45S. AMERICAN ART. Professor C. MORGAN. *3 credit hrs.*
American architecture, sculpture and painting in America from the 17th century to the present day. Three hours of classroom work per week. *Elective for Juniors. Second semester.*

48. OIL PAINTING. Professor SCHMALZ. *3 credit hrs.*
A series of studio projects exploring a variety of techniques and forms of expression in oil painting. Relationship with master works will be considered where relevant, but the emphasis will increasingly stress the development of the student's individual powers of observation and interpretation. Two two-hour studio periods per week. Requisite: Fine Arts 23 or 26 or permission of the instructor. *Elective for Juniors. Second semester.*

49S. MICHELANGELO. Professor C. MORGAN. *1 credit hr.*
A study of the artist, his works and his background. One lecture a week and reading. *Elective for Juniors. Second semester.*

50S. BAROQUE AND ROCOCO ART. Professor SCHMALZ. *3 credit hrs.*
A study of major figures and movements in European art of the 17th and 18th centuries. Two hours of classroom work and one ofternoon meeting of at least two hours per week. Requisite: Fine Arts 25 and 25S or permission of instructor. *Elective for Juniors. First semester.*

55. PROBLEMS IN MODERN EUROPEAN ART. *3 credit hrs.*
Mr. SERENYI.
A selected examination of major figures and movements in the development of European painting from Romanticism to the present, with emphasis upon problems in criticism. Two one-hour lecture periods per week and one weekly afternoon meeting of approximately two hours for discussion, seminar presentation of elementary studio exercises relating to the classroom lectures and discussion. No previous studio experience is required or any special talent expected. Outside reading and written assignments. Prerequisite: Fine Arts 25 or 25S, or permission of the instructor. *Elective for Juniors. First semester.*

56. PROBLEMS IN MODERN ARCHITECTURE. *3 credit hrs.*
Mr. SERENYI.
An interpretive study of the nature and meaning of European and American architecture of the 19th and 20th centuries, with special reference to more recent developments. The course will chiefly be concerned with relating architecture to the historical, social and philosophical currents of modern times. Two one-hour lectures and one seminar session per week. Prerequisite: Fine Arts 25 or 25S, or permission of the instructor. *Elective for Juniors. Second semester.*

79, 80. SPECIAL STUDIES FOR STUDENTS MAJORING IN FINE ARTS. *4 credit hrs.*

French

Professors French, Funnell, and Turgeon‡; Associate Professors Carre and Giordanetti; Mr. Archambault and Assistants.

Note: All rite majors in French are required to elect 30 semester hours of courses offered or approved by the department, including French 7 and 8, but excluding French 1 and 3. All honors candidates are required to elect courses 7 or 8, 10 or 12, 43, 44, 49, 50, 79 and 80. This course program may be adjusted in certain cases. Honors candidates must present a thesis and pass a comprehensive examination in the history of French literature since 1500 and in the critical interpretation of texts. Beginning with the class of 1962 all majors must pass the comprehensive examination. A reading list will be furnished to aid in preparation for the examination.

A combined major in two languages may be arranged by consultation with the department. For a student whose primary foreign language is French, the major must include twenty credit hours in French exclusive of French 1 and 3; in the second language it must include ten hours, of which at least three must deal with literature. A comprehensive examination covering both fields will be given. A reading list will be made up to suit individual cases to aid in the preparation for the examination.

Requirements for Sophomores in Humanities. The following courses are approved as satisfying the Humanities requirement in sophomore year: any course numbered above 5, except French 10, 12, 21 and 22.

1. ELEMENTARY COURSE. *4 credit hrs.*

Professor Turgeon and assistants.

Grammar, pronunciation, oral practice. Three hours per week for explanation and demonstration, four hours per week in small sections and laboratory for oral practice. *Elective for Freshmen. First semester.*

3. INTERMEDIATE COURSE. *4 credit hrs.*

Mr. Archambault and assistants.

Review of grammar and pronunciation; oral practice. Reading and analysis of selected texts. Three hours per week for explanation and demonstration, three hours per week in small sections and laboratory for drill in aural comprehension of the language. *Elective for Freshmen. First semester.*

3S. INTERMEDIATE COURSE. *4 credit hrs.*

Professor Carre and assistants.

Same description as above. *Elective for Freshmen. Second semester.*

5. ADVANCED COURSE. *4 credit hrs.*

Professor Carre; Mr. Archambault and assistants.

The purpose of this course is to complete the student's training in fluent reading and in oral comprehension. Reading of significant fiction and

‡ *Absent on leave second semester.*

plays from the modern period. Three hours per week in class and three hours per week in small sections and laboratory for oral and aural drill. For those whose linguistic preparation is sufficient, there will be a special section in which more stress will be put on the reading as literature. Conducted as far as possible in French. *Elective for Freshmen. First semester.*

5S. ADVANCED COURSE. *4 credit hrs.*

Mr. ARCHAMBAULT and assistants.

Same description as above. *Elective for Freshmen. Second semester.*

7. INTRODUCTION TO FRENCH LITERATURE BEFORE THE REVOLUTION. *4 credit hrs.*

Professors FUNNELL and GIORDANETTI.

Reading and discussion of selected texts. Requisite: Satisfaction of the language requirement. Four hours of classroom work per week. *Elective for Freshmen. First semester.*

8. INTRODUCTION TO FRENCH LITERATURE SINCE THE REVOLUTION. *4 credit hrs.*

Professors FUNNELL and GIORDANETTI.

Reading and discussion of selected texts. Requisite: satisfaction of the language requirement. Four hours of classroom work per week. *Elective for Freshmen. Second semester.*

10. INTERMEDIATE COMPOSITION AND CONVERSATION.

Professor GIORDANETTI and assistants. *4 credit hrs.*

A review of French grammar with practice in set translation and free composition; oral reports on selected topics. Three hours per week of composition and two of oral practice. Requisite: Satisfaction of the language requirement in French. May not be elected after French 12. *Elective for Freshmen. Second semester.*

12. ADVANCED COMPOSITION AND CONVERSATION.

Professor GIORDANETTI and assistants. *4 credit hrs.*

Practice in free composition and in set translation of examples of a variety of styles; oral reports on selected topics. Three hours per week of composition and two of practice in conversation. Requisite: French 10 or permission of the instructor. *Elective for Sophomores, and for Freshmen with permission of the instructor. Second semester. (Omitted 1962–63.)*

17. THE NINETEENTH CENTURY NOVEL. *3 credit hrs.*

Professor CARRE.

The reading will include at least one novel each by Balzac, Stendhal and Flaubert, with others, as time permits, chosen from the eighteenth and later nineteenth centuries. This course will be conducted partially in French. Requisite: satisfaction of the language requirement. Three hours of classroom work per week. *Elective for Freshmen. First semester.*

19. INTRODUCTION TO MODERN LITERATURE. *4 credit hrs.*
Professor GIORDANETTI.

An introductory literature course with emphasis on the study of types: novel, short story, theatre, poetry. Class examination of each type will be followed by study of other examples of the type done independently. Lectures and discussion groups. Conducted in French. Requisite: satisfaction of the language requirement. Three hours of classroom work per week. *Elective for Freshmen. First semester. Limited to 25 students.*

19S. MODERN LITERATURE. Professor CARRE. *4 credit hrs.*
Same description as above. *Elective for Freshmen. Second semester.*

21, 22. READING COURSE. *4 credit hrs.*
Professor TURGEON and Mr. ARCHAMBAULT.

A year course open to those who have already satisfied their language requirement in another language and who desire a reading knowledge of French. Four hours of classroom work per week. *Elective for Sophomores. First and second semesters.*

25S. FRENCH LYRIC POETRY. Professor FUNNELL. *2 credit hrs.*
Medieval lyrics; poems by François Villon, Ronsard, du Bellay and Chénier; the chief Romantic and Parnassian poets of the nineteenth century. Requisite: French 7, 8, 17 or 18. Two hours of classroom work per week. *Elective for Sophomores. Second semester in alternate years. (Omitted 1962–63.)*

27S. THE TWENTIETH CENTURY NOVEL.
Professor GIORDANETTI. *3 credit hrs.*

Readings from the novels of such authors as Colette, Romains, Mauriac, Malraux, Sartre and others, but excluding Gide and Proust. The course will be conducted partially in French. Requisite: French 7, 8, 17 or 18. Two hours of classroom work per week. *Elective for Sophomores. Second semester. Limited to fifteen students.*

29. FRENCH DRAMA SINCE 1890. Professor TURGEON. *3 credit hrs.*
A survey of the principal trends in the modern theater with extensive readings from such authors as Claudel, Romains, Giraudoux, Anouilh, and Sartre. Requisite: French 7, 8, 17 or 18. Two hours of classroom work per week. *Elective for Sophomores. First semester in alternate years. Limited to fifteen students. (Omitted 1962–63.)*

43. FRENCH CLASSIC TRAGEDY—CORNEILLE AND RACINE.
Professor TURGEON. *4 credit hrs.*

A study will be made of the history of the French theater in the seventeenth century and of the development and theory of classic tragedy, with detailed analysis of the principal tragedies of Corneille and Racine. Requisite: French 7, 8, 17 or 18. Three hours of classroom work per week. *Elective for Juniors and, with the consent of the instructor, for Sophomores. First semester in alternate years. Limited to twenty-five students.*

44. FRENCH CLASSIC COMEDY—MOLIÈRE. *4 credit hrs.*
Professor CARRE.

A detailed study of the principal comedies of Molière, and of the comic spirit as exemplified in LaFontaine and Boileau. Requisite: French 7, 8, 17 or 18. Three hours of classroom work per week. *Elective for Juniors and, with the consent of the instructor, for Sophomores. Second semester in alternate years. Limited to twenty-five students.*

48. POETRY SINCE BAUDELAIRE. Professor FUNNELL. *2 credit hrs.*
Baudelaire, the Symbolists, a few prominent poets of the twentieth century. Requisite: French 7, 8, 17 or 18. Two hours of classroom work per week. *Elective for Juniors and, with the consent of the instructor, for Sophomores. Second semester in alternate years.*

49. FRENCH LITERATURE OF THE RENAISSANCE. *4 credit hrs.*
Professor FRENCH.

Readings in Rabelais, Montaigne and the poets of the 16th century. Requisite: French 7, 8, 17 or 18. Three hours of classroom work per week. *Elective for Juniors and, with the consent of the instructor, for Sophomores. First semester in alternate years. Limited to twenty-five students. (Omitted 1962–63.)*

50. FRENCH LITERATURE OF THE EIGHTEENTH CENTURY.
Professor GIORDANETTI. *4 credit hrs.*

Voltaire, Diderot and Rousseau. Requisite: French 7, 8, 17 or 18. Three hours of classroom work per week. *Elective for Juniors and, with the consent of the instructor, for Sophomores. Second semester in alternate years. Limited to twenty-five students. (Omitted 1962–63.)*

51. ANDRÉ GIDE. Professor GIORDANETTI. *1 credit hr.*
Requisite: French 7, 8, 17 or 18. One hour of classroom work per week. *Elective for Juniors and, with the consent of the instructor, for Sophomores. First semester in alternate years.*

53. MARCEL PROUST. Professor GIORDANETTI. *1 credit hr.*
Requisite: French 7, 8, 17 or 18. One hour of classroom work per week. *Elective for Juniors and, with the consent of the instructor, for Sophomores. First semester in alternate years. (Omitted 1962–63.)*

79. CONFERENCE COURSE FOR SENIORS. *4–6 credit hrs.*
First semester.

80. CONFERENCE COURSE FOR SENIORS. *4–6 credit hrs.*
Second semester.

91. SPECIAL TOPICS. (Independent Reading Course). *1–4 credit hrs.*
First semester.

92. SPECIAL TOPICS. (Independent Reading Course). *1–4 credit hrs.*
Second semester.

Geology

Professor Bain; Associate Professor Brophy.

Note: A major in geology consists of twelve semester hours in related subjects approved by the Department and twenty semester hours in geology which are divided into three blocks and arranged to make a sequence. Eight semester hours of Geology 21, and Geology 22, are fundamental. An additional 8 semester hours are essential to progress into an advanced field of geology. Four semester hours in an advanced field are required for a sequence. Science 21–22 are considered related subjects. Other related courses will be from that field of biology, chemistry, mathematics or physics, advantageous to satisfactory progress in the advanced field selected for a major study.

The Department offers four sequences leading to a major in Geology. The sequences, and appropriate advanced subjects, are mineral studies (45), structural geology (79), geology of sedimentary rocks (44), and paleontology (49 or 56).

A student may declare his intention to major at any time up to the end of his sixth semester. At that time he should have completed, or have arranged to complete, courses which will enable him to examine independently most problems in the field of his sequence.

The comprehensive examination in Geology shall be a written examination not to exceed five hours in length. The examination is divided into two parts. Part I, of three hours duration, will encompass those subjects considered to form a basis of knowledge in the science. Part II, of two hours duration, will consider the major phase of the science elected by the student, and will include the ancillary courses.

A student may, upon application to the department, substitute the Graduate Record Examination for the Department Comprehensive Examination. Such arrangement should be completed at the start of the senior year.

Candidates for the degree with honors must have completed a sequence by the end of their seventh semester, and undertake a program of individual study as part of Geology 80.

Attention of students intending to proceed to graduate school is drawn to the requirements by many institutions that an applicant take the graduate record examination and that the candidate for an advanced degree have a reading knowledge of two modern languages from the group French, German, and Russian. A thorough knowledge of Geology 21–22, 23–24 will afford coverage for 85% of the graduate record examination, and should be completed with a grade of B before applying to take this test.

21. PRINCIPLES OF GEOLOGY. Professor Brophy. *4 credit hrs.*

An introductory study of the historical development of the science, and the processes modifying the surface form and internal structure of the earth. Four hours classroom and two hours laboratory work per week.

Laboratory will be held in the field when weather permits. *Elective for Sophomores. First semester.*

21S. PRINCIPLES OF GEOLOGY. Professor BAIN. *4 credit hrs.*
Same as 21. *Elective for Freshmen. Second semester.*

22. HISTORICAL GEOLOGY. Professor BAIN. *4 credit hrs.*
The history of the development of the continents, the succession of plants and animals, and the evolution of life during the geologic past. Four hours of classroom and two hours laboratory work per week. Requisite: Geology 21. *Elective for Sophomores. Second semester.*

22S. HISTORICAL GEOLOGY. Professor BAIN. *4 credit hrs.*
(Same course as Geology 22.) *Elective for Sophomores. First semester.*

23. MINERALOGY. Professor BROPHY. *4 credit hrs.*
A study of minerals and crystals including recognition, formation, occurrence, and use and an introduction to the nature of crystalline matter. Three hours of classroom and four hours laboratory work per week. *Elective for Sophomores. First semester.*

24. PETROLOGY. Professor BROPHY. *4 credit hrs.*
A systematic study of sedimentary, igneous, metamorphic and hydrothermal rocks, their origins and physicochemical relationships. Three hours of classroom and four hours laboratory per week. Requisite: Geology 21 and Geology 23. *Elective for Sophomores. Second semester.*

26. REGIONAL GEOLOGY AND GEOGRAPHY OF THE AMERICAS. Professor BAIN. *2 credit hrs.*
A study of the development of the principal features in scenery, the rocks, the climate and human activities in the Americas and the surrounding oceans. Offered in alternate years with Geology 46. Two hours of classroom and one hour of laboratory work per week. Requisite: Geology 21. *Elective for Sophomores. Second semester.* (*Omitted 1962–63.*)

28. REGIONAL GEOLOGY AND GEOGRAPHY OF THE EASTERN HEMISPHERE. Professor BAIN. *2 credit hrs.*
A study of the development of the principal features in scenery, the rocks, the climate and human activities in the eastern hemisphere and occluded oceans. Offered in alternate years with Geology 46. Two hours of classroom and one hour of laboratory work per week. Requisite: Geology 21. (Students may elect either Geology 26, or 28, or both.) *Elective for Sophomores. Second semester.* (*Omitted 1962–63.*)

30. MINERALS IN MODERN AFFAIRS. *2 credit hrs.*
Professor BROPHY.
Minerals, their properties, recognition, distribution, and role today. This course is designed for the non-science major. Two hours classroom and one laboratory hour per week. *Elective for Sophomores. Second semester.* (Not given for credit for students taking any other course in geology.)

44. SEDIMENTOLOGY AND STRATIGRAPHY. *4 credit hrs.*
A study of the features of modern sediments and the interpretation of sedimentary rocks and occurrence of resources in stratified rocks. Three hours classroom and four hours laboratory work per week. Requisite: Geology 22. *Elective for Juniors. Second semester.* (*Omitted 1962–63.*)

45S. MINERAL DEPOSITS. Professor BAIN. *4 credit hrs.*
A study of the origin and distribution of bodies that contain minerals essential to modern industrial life. Three classroom hours and four laboratory hours per week. Requisite or concurrent: Geology 24. *Elective for Juniors. Second semester.*

46. WORLD RESOURCES. Professor BAIN. *4 credit hrs.*
An investigation into supplies of materials from the earth available to man and the average requirement per person for each. Land acreage, water power, and mineral resources are studied in detail. Given in alternate years. Three hours classroom, one discussion period, and two hours laboratory work per week. Requisite: Geology 22, or 26, or 28. *Elective for Juniors. Second semester.* (*Omitted 1962–63.*)

49. INVERTEBRATE PALEONTOLOGY. *4 credit hrs.*
The identification, relationships, occurrence, and use of fossil invertebrate animals and plants. Three hours classroom and four hours laboratory work per week. Requisite: Geology 22. *Elective for Juniors. First semester.* (*Omitted 1962–63.*)

55. VERTEBRATE PALEONTOLOGY. Professor WOOD. *4 credit hrs.*
The evolution of vertebrates as shown by the study of fossils, and the relationship of environment to evolution. Three hours classroom and four hours laboratory work per week. (Some course as Biology 55.) Requisite: Geology 22. *Elective for Juniors. First semester.*

79, 80. CONFERENCE COURSE. The Staff. *4 to 6 credit hrs.*
Special investigation of one or more topics in mineral deposits, structural geology, sedimentology, or paleontology. Two or more hours conference per week and laboratory work as required. Requisite: The background courses in the Department. *Elective for Seniors.*

German

Professors SCENNA and PEPPARD; Assistant Professor WHITE;
Assistants: Mrs. BREUSCH and Mr. SENGHAAS

Note: The following courses may be used to satisfy the Humanities requirement in sophomore year: German 7 21, 22, 23, 24, 32, 33, 35, 36.

Major for students not candidates for the degree with honors. The major must include thirty credit hours, not counting those of courses 1 and 3. Eight of these credits may be in approved courses outside the Department.

A major in German will take a written examination in May of his senior year. A reading list will be suggested to aid in the preparation for this examination.

The examination will be based on the following:

1) major works of Lessing, Goethe, and Schiller;
2) representative works by authors of the 19th century;
3) works by an author of the candidate's choice.

A major must also demonstrate his ability to write correct German.

Honors: The aim of honors work in German is to offer the candidate the opportunity

a) to explore a chosen field or fields through a more extensive program of readings than is possible in course work;
b) to organize material for himself along historical or analytical lines, usually in the form of a thesis or essay;
c) to acquire a general view of the history and development of German, either as language or literature.

The goal of this work is not necessarily to produce graduate students, unless a candidate has definitely decided upon doing graduate work. The program of the senior year is organized on the basis of individual conferences, in which the candidate benefits from personal attention.

Each candidate will present a thesis or essay on an approved topic. It may deal critically with the work of a specific author; it may treat the development of an idea in historical form; it may be a study of some particular literary form.

Each candidate will take, early in May, a written general examination on the history of German literature, which will also include questions in his chosen field. The result of this examination together with the excellence of the thesis or essay will determine the degree of honors for which the Department will recommend the candidate.

Candidates for the degree with honors should elect German 21, 22, 23, 24, 28, 44, 79, 80. They are urged to study one ancient or other modern foreign language.

1. ELEMENTARY COURSE. *4 credit hrs.*

Professor White and assistants.

Grammar, pronunciation, oral practice. Three hours per week for explanation and demonstration, and three hours per week in small sections for oral practice. *Elective for Freshmen. First semester.*

3. INTERMEDIATE COURSE. *4 credit hrs.*

Professor Scenna and assistants.

Review of grammar and pronunciation, oral practice. Reading and analysis of selected texts. Three hours per week for explanation and demonstration, and three hours per week in small sections for drill in aural comprehension of the language. Assignment to this course will be made on the basis of the score in the CEEB Achievement Test. *Elective for Freshmen. First semester.*

3S. INTERMEDIATE COURSE. *4 credit hrs.*
Professor WHITE and assistants.
Same description as above. Requisite: German 1, or its equivalent. *Elective for Freshmen. Second semester.*

5. ADVANCED COURSE. *4 credit hrs.*
Professor PEPPARD and assistants.
Reading and analysis of selected texts. Three hours per week for demonstration and explanation, and three hours per week in small sections for oral practice and discussion. Stress will be placed on the acquisition of aural comprehension of the language and oral drill. Conducted in German. Requisite: A satisfactory score in the CEEB Achievement Test, or German 3, or the equivalent. *Elective for Freshmen. First semester.*

Note: Freshmen will be assigned to German 1, German 3, or German 5 on the basis of the score in the CEEB Achievement Test and previous training. Part of the drill in these courses will be in the language laboratory.

5S. ADVANCED COURSE. *4 credit hrs.*
Professor PEPPARD and assistants.
Same description as above. Requisite: German 3 or its equivalent. *Elective for Freshmen. Second semester.*

7. INTRODUCTION TO GERMAN LITERATURE. *4 credit hrs.*
Professor PEPPARD.
Reading and discussion of selected literary texts. This course will be conducted in German. Requisite: satisfaction of the language requirement. Four hours of classroom work per week. *Elective for Freshmen. First semester.*

7S. INTRODUCTION TO GERMAN LITERATURE. *4 credit hrs.*
Professor SCENNA.
Same description as above. Requisite: satisfaction of the language requirement, including satisfaction of the requirement at the end of the first semester. *Elective for Freshmen. Second semester.*

21. THE AGE OF GOETHE. *3 credit hrs.*
Professors PEPPARD AND WHITE.
The development of German literature from the middle of the eighteenth century to the death of Goethe. Selected readings from the works of Lessing, Goethe, Schiller and the Romantic authors. Background readings, lectures, and discussion. Requisite: German 7. Three hours per week. *Elective for Freshmen. First semester.*

22. GERMAN LITERATURE OF THE NINETEENTH CENTURY.
Professor PEPPARD. *3 credit hrs.*
The development of German literature from the Age of Goethe to the turn of the century. Selected readings, lectures, and discussion. Requisite: German 7. Three hours per week. *Elective for Freshmen. Second semester.*

23. FAUST. Professor SCENNA. *3 credit hrs.*

Faust, Part I. Study of the Faust legend and assigned readings. Requisite: German 7. Three hours per week. *Elective for Freshmen. First semester.*

24. FAUST. Professor SCENNA. *3 credit hrs.*

Faust, Part II. Lectures and assigned readings. Requisite: German 23. Three hours per week. Offered in alternate years. *Elective for Sophomores. Second semester.*

25, 26. READING COURSE. *3 credit hrs.*

A year course open to those who have already satisfied their language requirement in another language and who desire a reading knowledge of German. Offered in alternate years. Three hours per week. *Elective for Sophomores. First and second semesters.* (*Omitted 1962–63.*)

28. ADVANCED COMPOSITION AND CONVERSATION. *4 credit hrs.*

Practice in free composition in German. Exercises in pronunciation and idiomatic conversation, with supplementary practice in the language laboratory. Oral reports on selected topics. Conducted in German. Offered in alternate years. Four hours per week. Requisite: consent of the instructor. *Elective for Sophomores. Second semester.* (*Omitted 1962–63.*)

32. THOMAS MANN. Professor PEPPARD. *2 credit hrs.*

Readings in the shorter works of Thomas Mann. Lectures and discussion. Offered every third semester. Requisite: German 21, or 22, or 23, or consent of the instructor. Two hours per week. *Elective for Juniors. Second semester.*

32S. THOMAS MANN. *2 credit hrs.*

Same description as above. *Elective for Juniors. First semester.* (*Omitted 1962–63.*)

33. FRANZ KAFKA. Professor SCENNA. *2 credit hrs.*

A study of Kafka's shorter works. Lectures and discussion. Offered every third semester. Requisite: German 21, or 22, or 23, or consent of the instructor. Two hours per week. *Elective for Juniors. First semester.*

33S. FRANZ KAFKA. *2 credit hrs.*

Same description as above. *Elective for Juniors. Second semester.* (*Omitted 1962–63.*)

35. GERMAN POETRY OF THE TWENTIETH CENTURY. *2 credit hrs.*

Interpretation of German verse of the period, with emphasis on George, Rilke, Hofmannsthal, and the Expressionists. Offered every third semester. Requisite: German 21, or 22, or 23, or consent of the instructor. Two hours per week. *Elective for Juniors. First semester.* (*Omitted 1962–63.*)

35S. GERMAN POETRY OF THE TWENTIETH CENTURY. *2 credit hrs.*

Same description as above. *Elective for Juniors. Second semester.* (*Omitted 1962–63.*)

36. MODERN GERMAN LITERATURE IN TRANSLATION.
Professor WHITE. *3 credit hrs.*

Selected German novels, novellas, and plays, from Goethe to the present, to be read in English translation. Works by such authors as Goethe, Kleist, Mann, Hesse, and Brecht. Three hours per week. Offered in alternate years. *Elective for Juniors. Second semester.*

44. SPECIAL TOPICS IN GERMAN LITERATURE. *2–4 credit hrs.*

Individual work with one member of the department on an approved subject. The program and the amount of credit in each case will be arranged in advance in consultation with the Department. Offered in alternate years. Requisite: The approval of the Department. *Elective for Juniors. Second semester.*

79–80. HONORS COURSE FOR SENIORS. *6 credit hrs.*
The Department.

History

Professors COMMAGER,† HAVIGHURST, ROZWENC,‡ and SALMON; Associate Professors GREENE, and HALSTED; Assistant Professors CROWLEY, CZAP,* HALE,† HAWKINS and PETROPULOS; Messrs. BRAZILL, GAGLIARDO, and RATTÉ

Note: A major in history will consist of eight semester courses in addition to the required sequence courses (History 1–2 and American Studies 21–22) of the freshman and sophomore years. One of the eight semester courses must be History 69 or 69s.

Comprehensive examination: Beginning with the class of 1962, all students majoring in history will take a written, six-hour examination in the spring of senior year. This examination will test the student's historical knowledge and understanding within the limits of a program of study approved by the department. But the student is responsible for the design of his own course of study subject to the general requirements which follow.

Each student will be examined on a "primary field" and a "secondary field". For his "primary field" the student will designate one of the following: (1) Western Europe, (2) The Americas—United States and Latin America, (3) Eastern Europe, (4) The Middle East, (5) The Far East. The student's "secondary field" is to be chosen from an historical tradition outside the "primary field". Within the secondary field the student is to select some topic or some development which bears some relation to the

* *Absent on leave 1962–63.* † *Absent on leave first semester* ‡ *Absent on leave second semester.*

primary field and is chosen for purposes of comparative study. In addition each student will be expected to have some understanding of the nature of history and some knowledge of the history of historical writing.

A Reading List will be available to assist students in preparation for this examination.

Honors Program: All candidates for honors must elect History 69 or 69s, 79, and 80. These three courses form an integrated enterprise. The object is to offer the student an opportunity to arrive at some understanding of what "history" is and how the historian works: first, by the study of the writings of historians themselves and of a variety of problems which historians have faced, and second, by individual and original work through the application of historical principles. Thus, the nature and method of history will be studied in the statements of certain well-known historians as to what they conceive themselves to have been doing, and then through the examination of how various historians have used evidence, employed analytic concepts, and synthesized materials in selected areas of historical experience. Hence, students will have an opportunity to assess a variety of approaches to history as well as the usefulness to history of concepts taken from adjacent disciplines. By stressing the importance of selecting a thesis topic in the spring of the junior year, encouragement will be given to a fuller utilization of the summer following for research or for further preparatory work in a relevant language. In the senior year, the history honors student will give a very considerable part of his time to the preparation of a thesis.

1. THE DEVELOPMENT OF WESTERN CIVILIZATION AND AN INTRODUCTION TO SOCIAL SCIENCE. *4 credit hrs.*

Professors Crowley, Halsted, Havighurst, Hawkins and Petropulos; Messrs. Brazill, Gagliardo, and Ratté.

An introduction to the history of Europe, with particular emphasis on the development of its social order, economic and political institutions, social theory and historical thought; the course also examines the encounter of Europeans with the civilizations of Islam and the Far East. Two lectures, two section meetings per week. *Required for Freshmen. First semester.*

2. THE DEVELOPMENT OF WESTERN CIVILIZATION AND AN INTRODUCTION TO SOCIAL SCIENCE. *4 credit hrs.*

Professors Crowley, Hale, Halsted, Havighurst, Hawkins and Petropulos; Messrs. Brazill, Gagliardo, and Ratté.

Continuation of History 1. Two lectures, two section meetings per week. *Required for Freshmen. Second semester.*

21. LATIN AMERICA. Professor Salmon. *3 credit hrs.*

The colonial history of Latin America from the period of discovery

through the Wars of Independence, with a survey of Indian and Iberian backgrounds, cultural and political. Three hours of classroom work per week. *Elective for Sophomores. First semester.*

22. LATIN AMERICA. Professor HALE. *3 credit hrs.*

The history of the Latin American states in the national period, from Independence to the present, with attention to economic and international problems as well as to national political development. *Elective for Sophomores. Second semester.*

23S. CLASSICAL CIVILIZATION. *3 credit hrs.*

Professor MOORE and Mr. DOLIN.

(Same course as Classics 23S.) *Elective for Sophomores. Second semester.*

24. CLASSICAL CIVILIZATION. Professor MARSHALL. *3 credit hrs.*

(Same course as Classics 24.) *Elective for Sophomores. Second semester.* (*Omitted 1962–63.*)

25S. TOPICS IN THE HISTORY OF MEDIEVAL EUROPE.

Professor HAVIGHURST. *4 credit hrs.*

A course based on the intensive study of three or four aspects of medieval society, institutions and thought. Topics will be chosen to illustrate: (1) sources and forms of historical evidence; (2) the use and interpretation of such evidence in historical writing. Emphasis will be placed on the varied ways in which the age reveals itself to historians. Individual projects and class discussion. *Elective for Sophomores. Second semester.*

27. THE FAR EAST: CHINA AND JAPAN. *4 credit hrs.*

Professor CROWLEY.

A study of the processes of change within the political, social, economic and religious institutions of "traditional" China and Japan. Particular attention will be given to the influence of ideas and social values on the political history of both countries from antiquity to the 18th century. *Elective for Sophomores. First semester.*

28. THE FAR EAST: CHINA AND JAPAN. *4 credit hrs.*

Professor CROWLEY.

An appraisal of the processes of revolution and institutional change in East Asia during the 19th and 20th centuries. Emphasis will be given to the following themes: the role of "traditional" values in China's response to the West and in the modernization of Japan; the nature and significance of Japan's New Order in East Asia; and the emergence of Communist China. *Elective for Sophomores. Second semester.*

33. THE HISTORY OF AMERICAN SOCIETY. *4 credit hrs.*

Professor ROZWENC.

The changing relations in American social thought and behavior in the generations from the American Revolution to the end of the Civil War. Emphasis is given to basic political, economic and social institutions, to the place of science and technology in American society, and to competing

ideas and social myths. *Elective for Sophomores. First semester.* (*To be given every year.*)

34. THE HISTORY OF AMERICAN SOCIETY. *4 credit hrs.*
Professor GREENE.

The changing relations in American social thought and behavior in the generations from the Gilded Age to the present. Emphasis is given to basic political, economic and social institutions, to the place of science and technology in American society, and to competing ideas and social myths. *Elective for Sophomores. Second semester.* (*To be given every year.*)

36. THE HISTORY OF AMERICAN EDUCATION. *4 credit hrs.*
Professor HAWKINS.

Selected topics with emphasis on the nineteenth century, higher education and European influences. Students will pursue individual case studies in areas chosen for analysis. Three meetings a week. Limited to twenty-five students. *Elective for Sophomores. Second semester.*

39. THE MIDDLE EAST. Professor PETROPULOS. *4 credit hrs.*

From the birth of Islam and the rise of an Arab empire in the seventh century A.D. to the passing of political hegemony to the Turks and the growth of the Ottoman empire up to 1500. Topics receiving special emphasis: the transformation of popular-religious movements into dynastic drives for *imperium*, the contribution of pre-Islamic cultural traditions to the formation of an Islamic civilization, and the interaction between Islam, Byzantium, and the West. *Elective for Sophomores. First semester.*

40. THE MIDDLE EAST. Professor PETROPULOS. *4 credit hrs.*

From the rise of the Ottoman (Turkish) and Safavid (Persian) empires to the emergence of successor nation-states in the twentieth century. Topics receiving special emphasis: the impact of the West on Islamic civilization, the modern problems of under-development faced by the new nations of the Middle East, the interaction between the Arab, Turkish, Iranian, and Jewish portions of the Middle Eastern world. *Elective for Sophomores. Second semester.*

41. RUSSIA. Professor CZAP. *4 credit hrs.*

The history of Imperial Russia until 1894. The course will include a brief discussion of Russia's Kievan and Muscovite background and will emphasize the development of political institutions, the growth and collapse of serfdom, the village commune, the agrarian problem and the impact of industrialization in the post-Emancipation period, and the growth of revolutionary thought and action. *Elective for Juniors. First semester.* (*Omitted 1962–63.*)

42. RUSSIA. Professor CZAP. *4 credit hrs.*

The history of Russia and the Soviet Union in the 20th century. The course will include a discussion of the constitutional monarchy, the 1917

revolutions and establishment of the Soviet regime, and will survey the development of agriculture and industry and the evolution of the Communist party through the post-war years. *Elective for Juniors. Second semester. (Omitted 1962–63.)*

43. EUROPE IN THE NINETEENTH CENTURY. *4 credit hrs.*
Professor HALSTED.

An examination of the character of European society in the early nineteenth century through the study of four or five topics selected to reveal the relationships of dominant intellectual currents to major political, social, and economic developments. *Elective for Juniors. First semester.*

44. EUROPE IN THE NINETEENTH CENTURY. *4 credit hrs.*
Professor HALSTED.

Ideas and social change in the latter part of the nineteenth century in Europe, examined through four or five illustrative topics. *Elective for Juniors. Second semester.*

47. SEVENTEENTH CENTURY EUROPE. *4 credit hrs.*
Elective for Juniors. First semester. (Omitted 1962–63.)

48. AGE OF THE ENLIGHTENMENT. Mr. GAGLIARDO. *4 credit hrs.*

A survey of European society in the last decades of the 17th and 18th centuries, with concentration on England, France, and Germany. Topical emphases will include study of the structural and functional characteristics of the Ancien Regime, foreign relations and diplomacy, Enlightened Absolutism, and the intellectual revolution. *Elective for Juniors. Second semester.*

49. EUROPE IN THE TWENTIETH CENTURY: FIRST WORLD WAR. Professor SALMON. *4 credit hrs.*
Elective for Juniors. First semester.

50. EUROPE IN THE TWENTIETH CENTURY: SECOND WORLD WAR. Professor SALMON. *4 credit hrs.*
Elective for Juniors. Second semester.

51. ENGLISH HISTORY: TUDORS AND STUARTS. *3 credit hrs.*
Professor HAVIGHURST.

An examination of English society and institutions from 1485 to 1714: the English break with Rome and the Elizabethan Settlement in religion; the Elizabethan Age; development of Puritan thought; constitutional conflicts of the 17th century, with some attention to their social and economic implications. Three hours of classroom work per week. *Elective for Juniors. First semester.*

52. BRITAIN SINCE 1815. *4 credit hrs.*

A study of some of the fundamental changes in English society and institutions from 1815 to the present. Where possible contemporary materials will be the basis of study. Topics to be examined: "Victorian Com-

promise"; British policy in Europe; social thought and social change, 1870–1914; changing concept of Empire; Socialist Britain. Lectures, discussion and individual projects. *Elective for Juniors. Second semester.* (*Omitted 1962–63.*)

55. THE FRENCH REVOLUTION. Professor SALMON. *3 credit hrs.*

A study of the Revolution in France and its impact on Western Europe and on western civilization, with brief consideration of the Ancien Regime and with emphasis on political, economic, and military factors.

Three hours of classroom work per week. *Elective for Juniors. First semester.* (*Omitted 1962–63.*)

56. THE AGE OF NAPOLEON. Professor SALMON. *3 credit hrs.*

A continuation of History 55 from 1799 through 1815.

Three hours of classroom work per week. *Elective for Juniors. Second semester.* (*Omitted 1962–63.*)

57. THE SOUTH SINCE THE CIVIL WAR. *4 credit hrs.*
Professor HAWKINS.

An examination of the South as a culture, with stress on the forces that have affected its particularism. Reconstruction; Redemption and the New South; Populist Revolt; Disfranchisement and the Atlanta Compromise; topical investigations of the political, economic, social, and intellectual life of the South in the present century. The last fifth of the course will be devoted to the South since 1940, emphasizing New Reconstruction.

Three class-meetings per week. Limited to 25 students. *Elective for Juniors. First semester.* (*Omitted 1962–63.*)

59. SOCIETY AND POLITICS IN DE TOCQUEVILLE'S AMERICA. Professor ROZWENC. *4 credit hrs.*

An intensive examination of the influence of social and economic changes upon politics in America in the second quarter of the nineteenth century. Special attention will be given to political ideas not only of politicians but of journalists and literary figures as well. A few key problems will be analyzed by means of a comparative examination of England and France in the same period. *Elective for Juniors. Limited to twenty-five students. First semester.* (*Omitted 1962–63.*)

60. SOCIETY AND POLITICS IN THE ERA OF THE NEW DEAL. Professor ROZWENC. *4 credit hrs.*

An intensive examination of the influence of social and economic changes on politics and political thought. Special attention will be given to selected writings including works on politics and social problems, imaginative literature, and major works of historical interpretation. *Elective for Juniors. Limited to fifteen students. Second semester.* (*Omitted 1962–63.*)

61. FOUNDATIONS OF AMERICAN CIVILIZATION. *4 credit hrs.*
Professor GREENE.

An analysis of the first five generations of Americans (from early settlers

through the Revolutionary generation) with emphasis upon the origins of certain fundamental themes in American history: social classes, immigration, European-American relations, frontier vs. city, science vs. religion, and constitutional democracy. Four hours of classroom work per week. *Elective for Juniors. First semester.*

62. AMERICAN DIPLOMATIC HISTORY. *3 credit hrs.*
Professor GREENE.

The history of American foreign policy from the American Revolution to the present, with emphasis on the period since 1898. Three hours of classroom work per week. *Elective for Juniors. Second semester.* (*Omitted 1962–63.*)

63. THE ITALIAN RENAISSANCE. *4 credit hrs.*

Urban society in Italy (c. 1200–1500), forms of power, the social order, humanist thought, theory of art and the uses of antiquity. Concluding weeks deal with Burgundy and the Netherlands in the fifteenth century. *Elective for Juniors. First semester.* (*Omitted 1962–63.*)

64. THE SIXTEENTH CENTURY. *4 credit hrs.*

The Renaissance in northern Europe and the Reformation, with emphasis on the major forms of protest and complaint, both secular and religious, against the condition of society, the state and the church. *Elective for Juniors. Second semester.* (*Omitted 1962–63.*)

65. MODERN JAPAN. Professor CROWLEY. *4 credit hrs.*

An examination of selected topics in modern Japanese history, 1840–1960. Topics will vary yearly but will be designed to explore the basic problem of political change and cultural development. Possible topics include: the role of "traditional" values in politics and literature; two styles of revolutionary change — the Meiji and MacArthur eras; and the dual challenge of marxism — a philosophy and a revolutionary movement. *Admission by permission of instructor. First semester. Limited to 15 students.*

66. THE PROGRESSIVE GENERATION. *4 credit hrs.*
Professor GREENE.

A study of the responses to change made by Americans in the generation from 1890 to 1920. By concentrating upon a single generation the course will explore some of the interrelations among politics, literature, business, the professions, religion, and popular culture. *Elective for Juniors. Limited to fifteen students. Second semester.* (*Omitted 1962–63.*)

67. FOUNDATIONS OF ENGLISH LAW AND THE CONSTITUTION. Professor HAVIGHURST. *4 credit hrs.*

Origins of the English Constitution; growth of Common Law; evolution of Parliament; development of monarchy; constitutional conflicts. Lectures, seminar discussion and individual projects. Three hours of classroom

work per week. *Elective for Juniors. First semester. Limited to twenty-five students.* (*Given in alternate years.*) (*Omitted 1962–63.*)

69. TOPICS IN HISTORICAL MEANING AND METHOD.
The Department. *4 credit hrs.*
An introduction to the problems of understanding and explanation in history, and to the techniques and methods employed by historians. History 69 *or* History 69s *required of all history majors. Elective for Juniors. First semester.*

69S. TOPICS IN HISTORICAL MEANING AND METHOD.
The Department. *4 credit hrs.*
The same course as History 69. *Elective for Juniors. Second semester.*

73. CONFERENCE COURSE IN AMERICAN INTELLECTUAL HISTORY. Professor COMMAGER. *4 credit hrs.*
This course will consist of reading, discussion and reports on some of the significant books of American intellectual history: Emerson's *English Traits; The Federalist Papers;* Rolvaag's *Giants in the Earth;* Robinson, *Collected Poems;* selections from the writings of Lester Ward, William James, Thorstein Veblen, Justice Holmes, Frank Lloyd Wright, and others. *Limited to 15 students in each section.* Three sections. Sec. A will emphasize the interests of students of American studies, history, and literature. Sec. B. will emphasize the interests of students of the sciences. Sec. C will emphasize the interests of students of politics, law and economics. *Elective for Juniors. Admission by permission of instructor only. First semester.* (*Omitted 1962–63*).

74. CONFERENCE COURSE IN AMERICAN INTELLECTUAL HISTORY. Professor COMMAGER. *4 credit hrs.*
Continuation of History 73. *Elective for Juniors. Admission by permission of instructor only. Second semester.*

79. CONFERENCE COURSE. SENIOR HONORS. *4 credit hrs.*
The Department.
Preparation of an honors thesis. *Elective for seniors with the consent of the Department. First semester.*

80. CONFERENCE COURSE. SENIOR HONORS. *4 credit hrs.*
The Department.
Preparation of an honors thesis. *Elective for seniors with the consent of the Department. Second semester.*

91. SPECIAL TOPICS (Independent Reading Course) *1 to 4 credit hrs. First semester.*

92. SPECIAL TOPICS (Independent Reading Course) *1 to 4 credit hrs. Second semester.*

Humanities

1. HUMANITIES. *2 credit hrs.*

Professors Epstein, French, Funnell, Humphries, Kennick, Moore (chairman), Pemberton, and White; Messrs. Archambault, Brazill, Dolin, Gagliardo and Ratté.

A reading course: fairly rapid reading for understanding and enjoyment. The course is intended to serve as a contribution to the student's general education, and the books are chosen to illustrate certain important stages in the development of Western culture. The reading list varies somewhat from year to year, but in general this semester is given over largely to Greek literature. The course is conducted in small sections: class discussions, short papers, occasional lectures. Two hours per week. *Required for Freshmen. First semester.*

2. HUMANITIES. *2 credit hrs.*

Professors Epstein, French, Funnell, Gould, Humphries, Kennick, Moore (chairman), Pemberton and White; Messrs. Archambault, Brazill and Ratté.

A continuation of Humanities 1. The reading list for this semester includes, in general, readings from the Bible and works selected from the medieval, Renaissance and modern periods. Three hours per week. Requisite: Humanities 1. *Required for Freshmen. Second semester.*

Italian

Professor French

1. ELEMENTARY COURSE. Professor French. *4 credit hrs.*

Recognition and imitation of basic sentence patterns, vocabulary and verb forms. Extensive drill on pronunciation in class and laboratory; graded reading from beginning of course with oral-aural drill on same. Six hours classwork practice and laboratory per week. *Elective for Freshmen. First semester.*

3S. INTERMEDIATE COURSE. Professor French. *4 credit hrs.*

Continued oral-aural practice. Reading and analysis of original texts, such as Wilkins and Altrocchi, *Italian Short Stories;* Pirandello, *Atti unici* (3 plays); Fogazzaro, *Piccolo mondo antico.* Five hours per week. *Elective for Freshmen. Second semester.*

21. READINGS IN ITALIAN LITERATURE FROM BOCCACCIO TO THE PRESENT. Professor French. *4 credit hrs.*

Reading of important works with special attention to the modern period. Requisite: Italian 3. Four hours of classroom work per week. *Elective for Sophomores. First semester.*

22. DANTE. Professor FRENCH. *4 credit hrs.*

A reading of the *Inferno* and of parts of the *Purgatorio* and *Paradiso*. Special study of the social and political background of the work. Requisite: Italian 21. Special reports and papers. Given in alternate years. Three hours of classroom work per week. *Elective for Sophomores. Second semester. Limited to twenty-five students.* (*Omitted 1962–63.*)

24. THE RENAISSANCE. Professor FRENCH. *4 credit hrs.*

Origins in Boccaccio's *Decamerone* and in Petrarch's *Canzoniere*. Reading of Cellini's *Vita*, Castiglione's *Cortegiano* and Machiavelli's *Principe* with a study of the social background of the fifteenth and sixteenth centuries. Special reports and papers. Requisite: Italian 21. Three hours of classroom work per week. *Elective for Sophomores. Second semester. Limited to twenty-five students.*

91. SPECIAL TOPICS. *First semester.* *1–4 credit hrs.*

92. SPECIAL TOPICS. *Second semester.* *1–4 credit hrs.*

Legal Studies

Professors HAVIGHURST, LATHAM and ZIEGLER.

25. AMERICAN CONSTITUTIONAL DEVELOPMENT. *4 credit hrs.* Professor LATHAM.

The development of American constitutional philosophy since 1787 under three general heads: the Agrarian Constitution, the Laissez-Faire Constitution, and the Welfare Constitution. Topics will include the Marshall and Taney eras, constitutional problems of slavery, the Civil War and Reconstruction, the constitutional foundations of 19th century capitalism, constitutional problems of federal and state regulation, civil liberties in the 20th century, the constitutional crisis of 1935–1937, and current problems of constitutional interpretation. Attention will be given to the judicial philosophies of the Federalist and Jacksonian judges, Field, Miller. Waite, Harlan, Holmes, Brandeis, Hughes, Stone, Black, and Frankfurter. Four hours of classroom work per week. (Same course as Political Science 25.) *Elective for Sophomores. First semester.*

42. ADMINISTRATIVE LAW. Professor ZIEGLER. *4 credit hrs.*

An introduction to the American system of legal control exercised by other law administering agencies than the courts, with special reference to doctrines developed by the Interstate Commerce Commission, Securities and Exchange Commission, Federal Trade Commission, and the National Labor Relations Board. The course deals with the formulation of legislative purposes and administrative policies; administrative and judicial responsibility for the enforcement of agency programs; and the nature and

extent of judicial control over administrative action. (Same course as Political Science 42.) Prerequisite: Political Science 25 or Political Science 41. Three hours of classroom work per week. *Elective for Juniors. Second semester. Limited to twenty-five students.* (*Omitted 1962–63.*).

44. INTERNATIONAL LAW. Professor ZIEGLER. *4 credit hrs.*

The historical basis and present trends in the development of international law will be discussed and related to the social, economic, and political aspects of present day world politics and government. (Same course as Political Science 44.) Four hours of classroom work per week. *Elective for Juniors. Second semester.*

67. FOUNDATIONS OF ENGLISH LAW AND THE CONSTITUTION. Professor HAVIGHURST. *4 credit hrs.*

Origins of the English Constitution; growth of Common Law; evolution of Parliament; development of Monarchy; constitutional conflicts. (Same course as History 67.) Three hours of classroom work per week. *Elective for Juniors. First semester. Limited to twenty-five students: Given in alternate years.* (*Omitted 1962–63.*)

Mathematics

Professors BREUSCH,† BROWN,‡ and SPRAGUE; Associate Professor WILLCOX; Assistant Professor REID.

Note: A major in mathematics must elect 3, 23S, 25, 31, 32. The comprehensive examination in the spring of senior year will be limited to these courses. All mathematics courses except 1–2 give major credit.

In addition to the general College requirements, a degree with honors is awarded on the basis of accomplishment in the courses in mathematics required for a major, in the conference course, and in any additional courses prescribed by the Department. A thesis may be required.

The content of the conference course varies from year to year. Topics that have been or may well be given are Complex Variable, Abstract Algebra, Algebraic Geometry, Differential Geometry, Topology and Analysis.

1. Same course as Science 1. *4 credit hrs.*

2. Same course as Science 2. *4 credit hrs.*

3. CALCULUS. Professor SPRAGUE. *4 credit hrs.*

Continuous functions, differentiation and integration of trigonometric and logarithmic functions and their inverses, curvature, curvilinear motion, curve tracing, theorem of mean value, formal integration, infinite series, simple partial differentiation. Requisite: Science 1 or its equivalent. Four hours of classroom work per week. *Elective for Sophomores. First semester.*

† *Absent on leave first semester.*
‡ *Absent on leave second semester.*

3S. CALCULUS. Professor SPRAGUE. *4 credit hrs.*
Same description as above. *Elective for Freshmen. Second semester.*

3X. CALCULUS. Professors BROWN and BREUSCH. *4 credit hrs.*
Same course as Mathematics 3. Two hours of classroom work per week throughout the year. *Elective only for freshmen who are excused from Mathematics 1-2 and who wish to continue the study of mathematics without interruption. First and Second Semesters.*

23S. DIFFERENTIAL EQUATIONS. Professor WILLCOX. *3 credit hrs.*
Treatment of ordinary differential equations with principal types of first and second order equations, linear equations with constant coefficients, simultaneous equations. Simple partial differential equations. Applications to geometry, physics and other branches of science. Requisite: Mathematics 3. Three hours of classroom work per week. *Elective for Sophomores. Second semester.*

25. ABSTRACT ALGEBRA. Professor BROWN. *4 credit hrs.*
A development of the characteristic properties of the integers and the rational, real and complex number systems as instances of properties of rings, integral domains and fields, followed by a selection from the following topics: groups, polynomial rings, matrix rings. Four hours of classroom work per week. *Elective for Sophomores. First semester.*

31. ADVANCED CALCULUS. Professor REID. *4 credit hrs.*
Brief treatment of determinants and solid analytic geometry, partial differentiation, implicit function theory, elements of vector analysis with applications. Requisite: Mathematics 3. Four hours of classroom work per week. *Elective for Juniors. First semester.*

32. ADVANCED CALCULUS. Professor REID. *4 credit hrs.*
Multiple integrals, line and surface integrals, transformation of integrals, uniform convergence, Fourier series. Requisite: Mathematics 31. Four hours of classroom work per week. *Elective for Juniors. Second semester.*

33S. LINEAR ALGEBRA. *3 credit hrs.*
Vector spaces; matrices and linear transformations on a vector space; determinants and their role in linear algebra; diagonalization and canonical forms of matrices; some applications to other branches of science. Three hours of classroom work per week. *Elective for Sophomores. Second semester.* (*Omitted 1962–63.*)

34S. PROBABILITY AND STATISTICS. *3 credit hrs.*
Elementary probability. Random variables with discrete and continuous distribution functions. Joint distribution functions. Distribution functions of frequent occurrence in statistics, such as Poisson, normal in one and two variables, Chi square and Student's t. Requisite: Mathematics 3. Three hours of classroom work per week. *Elective for Sophomores. First semester, alternate years.* (*Omitted 1962–63.*)

42. FUNCTIONS OF A COMPLEX VARIABLE. *3 credit hrs.*
Professor BREUSCH.

An introduction to analytic functions. Point sets, complex numbers, derivatives, conformal mapping, integrals. Cauchy's theorems, power series, singularities, Laurent series, analytic continuation, rational, entire, meromorphic and multiple-valued functions. Riemann surfaces. Requisite: Mathematics 31. Three hours of classroom work per week. *Elective for Juniors. Second semester, alternate years.*

43. THEORY OF NUMBERS. *3 credit hrs.*

An introduction to the theory of rational integers. Divisibility, prime numbers, the unique factorization theorem, congruences, quadratic residues, Fermat's theorem, Diophantine equations. Three hours of classroom work per week. *Elective for Juniors. First semester, alternate years. (Omitted 1962–63.)*

45. POINT-SET TOPOLOGY. Professor WILLCOX. *3 credit hrs.*

A brief treatment of elementary set theory and the real number system will be given to motivate the definition of a topological space, after which topics will be selected from the following: topological spaces, metric spaces, compactness, connectedness, embedding theorems, metrization theorems, compactification, topological characterizations of arcs and curves. Requisite. Mathematics 25 or 32. Three hours of classroom work per week. *Elective for Juniors. First semester, alternate years.*

48. DIFFERENTIAL GEOMETRY. *3 credit hrs.*

An introduction to the differential geometry of curves and surfaces; curvature, torsion, Frenet formulae; curvilinear coordinates, first and second fundamental form, surface curvature, lines of curvature, geodesics, fundamental equations. Requisite: Mathematics 31. Three hours of classroom work per week. *Elective for Juniors. Second semester, alternate years. (Omitted 1962–63.)*

79. CONFERENCE COURSE. The Department. *4 credit hrs.*
Elective for Seniors. First semester.

80. CONFERENCE COURSE. The Department. *6 credit hrs.*
Elective for Seniors. Second semester.

Music

Professors MISHKIN and V. MORGAN; Assistant Professor ALEXANDER;* Mr. CRAWFORD.

The music major consists of the following basic courses: Music 23–24, Music 25, Music 41–42, and Music 53–54. Advanced work may be in theory, literature, or applied music. Majors in theory and music literature

* *Absent on leave 1962–63.*

must also elect Music 47–48 and at least one other course in music; majors in applied music, at least two years of Music 29–30. Part of the advanced work in applied music will be done with members of the music departments of Smith and Mt. Holyoke.

All music majors must take comprehensive examinations in music theory and literature in the final semester of their senior year.

Honors candidates will arrange individual programs with the Department at the beginning of their junior year. Compositions, essays, or recitals will be required according to the field of concentration. All honors candidates must elect Music 79–80.

Music 25 or Music 27 and any other course except 23–24, 29–30, 47–48, 53–54, and 71–72 may be used in satisfaction of the sophomore humanities requirement.

23. ELEMENTARY THEORY. Professor MISHKIN. *4 credit hrs.*

Basic principles of harmonic and contrapuntal technique. Writing in two, three, and four voices; triads and their inversions, non-harmonic tones; modulations. Limited to fifteen students. Requisite: ability to play all written work and the consent of the Department. *Elective for Sophomores. First semester.*

24. ELEMENTARY THEORY. Mr. CRAWFORD. *4 credit hrs.*

A continuation of Music 23. Seventh chords; enharmonic and chromatic modulations; harmonizations in chorale style, elementary phrase structure. Requisite: Music 23. *Elective for Sophomores. Second semester.*

25S. AN INTRODUCTION TO MUSICAL LITERATURE. Professor V. MORGAN. *3 credit hrs.*

Western music from Gregorian chant to the present time with emphasis on music since 1500. No previous study of music is required. *Elective for Sophomores. Second semester.*

27. THE LANGUAGE OF MUSIC. Professor MISHKIN. *3 credit hrs.*

A creative study of the elements of music based upon a critical analysis of the composer's method. Models will be selected from a variety of musical styles. No previous study of music is required. *Elective for Sophomores. First semester.*

29. APPLIED MUSIC. *3 credit hrs.*

Under the co-operative plan courses are offered in the following branches of applied music: piano, organ, voice, violin, viola, violoncello. These courses may be elected by a limited number of students who satisfy the Department, at an audition, that they are prepared to undertake the study of solo music literature of artistic worth. Students will normally be expected to begin their college work in applied music as sophomores and to continue the study for two years. During the first two years of study three credit hours will be granted for each semester: two for the lesson and practice, and one for the co-requirement listed as (c) below. Under exceptional circumstances

a student may, with permission of the Dean, elect a third year for which there will be two credit hours per semester. No credit is granted for a single semester of applied music.

Students of keyboard and string instruments have one hour of private instruction per week and are required (a) to practice a minimum of nine hours per week, and (b) to elect in sophomore or junior year one other course offered by the Department. In addition keyboard students are required (c) to participate in a weekly session of ensemble playing, and string students to attend the weekly rehearsal of the Smith-Amherst Orchestra.

Students of voice have one hour of private instruction per week and are required (a) to practice a minimum of eight hours per week, (b) to elect in sophomore or junior year one other course offered by the Department, and (c) to sing with the Glee Club.

Private instruction will be given by members of the Departments of Music of Smith College and Mt. Holyoke College. The courses are listed in the catalogues of our sister institutions as: Smith College — Piano 121, 122, 323, 324; Organ 232, 333, 434; Violin 151, 252, 353, 454; Viola 161, 262, 363, 464; Violoncello 171, 272, 373, 474; and Mount Holyoke College — Voice 167f, 168s. A fee of $75 per semester will be charged to cover this special type of instruction. *Elective for Sophomores and qualified Freshmen with the consent of the Department and of the instructor. First semester.*

30. APPLIED MUSIC. *3 credit hrs.*

A continuation of Music 29. *Elective for Sophomores and qualified Freshmen with the consent of the Department and of the Instructor. Second semester.*

41. SYMPHONIC MUSIC. Professor V. MORGAN. *3 credit hrs.*

The development of orchestral literature from Haydn through Brahms: the symphony, concerto, overture and symphonic poem. Requisite: Music 25 or Music 27 or the consent of the Department. *Elective for Juniors. First semester.*

42. MUSIC SINCE 1900. *3 credit hrs.*

The musical scene in Europe and in the United States during the 20th century. Analyses of works by Schoenberg, Stravinsky, Bartók, Hindemith, Copland and others. Requisite: Music 25 or Music 27 or the consent of the Department. *Elective for Juniors. Second semester. (Omitted 1962–63.)*

43. CHORAL MUSIC. *3 credit hrs.*

A study of choral style, with emphasis upon the development of the madrigal, motet, mass and oratorio in the medieval, renaissance, and baroque periods. Requisite: Music 25 or Music 27 or the consent of the Department. *Elective for Juniors. First semester. (Omitted 1962–63).*

44. BEETHOVEN. Professor V. MORGAN. *3 credit hrs.*

A study of the piano, chamber and orchestral music. Requisite: Music 25 or Music 27 or the consent of the Department. *Elective for Juniors. (Omitted 1962–1963.)*

45. BACH. Professor MISHKIN. *3 credit hrs.*
The Bach style studied in relation to the development of music from 1600. Requisite: Music 25 or Music 27 or the consent of the Department. *Elective for Juniors.* (*Omitted 1962–63.*)

46S. THE OPERA. Professor V. MORGAN. *3 credit hrs.*
The development of the musical drama with emphasis on a detailed study of operatic types. Representative works by Mozart, Verdi and Wagner. Requisite: Music 25 or Music 27 or the consent of the Department. *Elective for Juniors. First semester.*

47. CHROMATIC HARMONY. Mr. CRAWFORD. *3 credit hrs.*
Elementary composition: two and three part forms; theme and variations; the sonata-allegro. Requisite: Music 24. *Elective for Juniors. First semester.*

48. TONAL COUNTERPOINT. Professor MISHKIN. *3 credit hrs.*
Contrapuntal technique of the 18th century, invertible counterpoint, canon, two part inventions. Requisite: Music 24. *Elective for Juniors. Second semester.*

50. CHAMBER MUSIC: INSTRUMENTAL AND VOCAL.
Professor V. MORGAN. *3 credit hrs.*
The sonata, trio, quartet, quintet, and the Lied in the 18th and 19th centuries. Requisite: Music 25 or Music 27 or the consent of the Department. *Elective for Juniors. Second semester.*

51. THE GERMAN TRADITION IN 20TH CENTURY MUSIC.
Mr. CRAWFORD. *3 credit hrs.*
Music of Schoenberg, Berg, Webern. Representative works of these composers will be viewed both as a continuation of German and Austrian musical traditions, and as a reflection of certain social and cultural trends of the 20th century. Requisite: Music 25 or Music 27 or the consent of the Department. *Elective for Juniors. First semester.*

52. MOZART AND THE CLASSICAL STYLE.
Professor MISHKIN. *3 credit hrs.*
A study of the classical idiom with special reference to the instrumental and vocal music of W. A. Mozart. Requisite: Music 25 or Music 27 or the consent of the Department. *Elective for Juniors. Second semester.*

53. SPECIAL STUDIES IN MUSICAL ANALYSIS.
The Department. *3 credit hrs.*
An historical-analytical approach to the study of music. Representative examples of the motet, pre-fugal forms, and variation will be analyzed in detail. One two-hour seminar each week. Requisite: Music 23, 24, 25, and the consent of the Department. *Elective for Seniors. First semester.*

54. SPECIAL STUDIES IN MUSICAL ANALYSIS. *3 credit hrs.*
The Department.
A continuation of Music 53. Representative examples of the madrigal, binary form, and the art song will be analyzed in detail. Requisite: Music 53. *Elective for Seniors. Second semester.*

56. INSTRUMENTAL MUSIC TO 1750. *3 credit hrs.*
Professor MISHKIN.
A study of the development of an instrumental tradition in the music of the medieval, renaissance, and baroque periods. Requisite: Music 25 or Music 27. *Elective for Juniors. Second semester.*

71. SEMINAR IN COMPOSITION. Mr. CRAWFORD. *3 credit hrs.*
By means of the creative solution of a series of brief compositional problems the student will gain first-hand knowledge of certain of the styles and techniques of contemporary music. Analysis of pertinent 20th century music. Requisite: Music 47–48. *Elective for Seniors. First semester.*

72. SEMINAR IN COMPOSITION. Mr. CRAWFORD. *3 credit hrs.*
A continuation of Music 71. Projects in composition suited to the needs and capabilities of the individual student. *Elective for Seniors. Second semester.*

79. CONFERENCE COURSE. The Department. *6 credit hrs.*
Studies in history or advanced theory. *Elective for qualified Seniors. First semester.*

80. CONFERENCE COURSE. The Department. *6 credit hrs.*
A continuation of Music 79. *Second semester.*

Non-Western Studies

A number of courses in Non-Western Studies will be offered at Amherst, Mount Holyoke, and Smith Colleges and the University of Massachusetts as part of the Four-College Cooperative program. Qualified students may enroll in these courses at any of the four campuses.

The following cooperative courses will be offered in 1962–63. (In addition, individual institutions offer courses in Non-Western Studies).

MODERN LITERARY ARABIC. Professor HADDAD. *3 credit hrs.*
Grammatical construction, pronunciation, selected readings.
First and second semesters at Mount Holyoke and Smith Colleges.

HISTORY OF WEST AFRICA. Professor FAGE. *3 credit hrs.*
First semester at Smith College and at the University of Massachusetts.

GOVERNMENT AND POLITICS OF THE MIDDLE EAST. *3 credit hrs.*
First semester at the University of Massachusetts.

PROBLEMS OF THE MIDDLE EAST. Professor HADDAD. *3 credit hrs.*
Open to students who have taken some course work relating to the Middle East. Second semester at the University of Massachusetts.

The following regular Amherst College courses fall into the Non-Western Studies area: Geology 28; History 39, 40, 45, 46 and 65; Political Science 24; Religion 44.

A complete list of course descriptions, and enrollment information may be obtained from the Registrar.

Philosophy

Professors EPSTEIN, KENNEDY † and KENNICK; Associate Professors GOULD and PEMBERTON; Visiting Associate Professor MADDEN

Note: The courses open to Sophomores: Introduction to Philosophical Literature, Ethics, Logic, and History of Philosophy, may count towards a major in Philosophy. All majors in philosophy are required to take Philosophy 43 and 44.

The comprehensive examination in philosophy will deal with the history of philosophy and with selected additional topics in philosophy, including ethics and logic. Further information may be obtained from members of the department.

Candidates for the degree with honors in philosophy are required to take the courses numbered 23, 24, 43, 44, 79, and 80, and will elect their further courses with the approval of the Department. Each candidate will write, in conjunction with the conference courses in the senior year, an original essay on a topic which has been approved by the Department. He will take, early in May of senior year, two written and one oral examinations. One written examination will be on the general history of European and American philosophy. The other written examination will be on some field of philosophy which the candidate may select, with the approval of the Department—metaphysics and philosophy of science, logic and theory of knowledge, ethics and social philosophy, aesthetics, history and philosophy of religion. The oral examination will be a defense by the candidate of his original essay before a committee of members of the Philosophy and affiliated Departments. Recommendation for the various degrees of honors will be made by the Department on the basis of the original essay and the three examinations.

Majors and majors with honors may also be taken in the following combined fields:

Philosophy and Classics
Philosophy and English
Philosophy and History
Philosophy and Political Science
Philosophy and Psychology
Philosophy and Religion

† *Absent on leave first semester.*

The selection of courses to constitute such combined majors, the topic for an original essay and the arrangements for comprehensive examinations must in each case be approved by representatives of the two departments concerned. Recommendation for the various degrees with honors will be made by committees composed of members of the two departments concerned.

21. INTRODUCTION TO PHILOSOPHICAL LITERATURE.
Professor EPSTEIN. *3 credit hrs.*

Training in the reading of philosophical literature. Classical and contemporary authors, chosen to exemplify the different basic types of philosophical thought, will be discussed. This course may be taken to meet part of the sophomore requirement in connection with the Humanities. Three class hours per week. *Elective for Sophomores. First semester.*

21S. INTRODUCTION TO PHILOSOPHICAL LITERATURE.
Professors KENNEDY and KENNICK. *3 credit hrs.*

Training in the reading of philosophical literature. Classical and contemporary authors, chosen to exemplify the different basic types of philosophical thought, will be discussed. This course may be taken to meet part of the sophomore requirement in connection with the Humanities. Three class hours per week. *Elective for Sophomores. Second semester.*

23. INTRODUCTORY LOGIC. Professor MADDEN. *3 credit hrs.*

An examination of the deductive techniques of propositional and functional logic; [and, in addition, among others, the following topics in inductive logic:] the logical structure of scientific interference, the relationship between theoretical terms and experimental observation, measurement theory, rudimentary probability notions, and special problems of the behavioral and social sciences. The principles of formal inference will be extracted from specific arguments in the history of science and philosophy. Deductive systems, generally, and their relation to various problems in contemporary science and philosophy will be examined. (No previous training in the sciences or philosophy is presupposed.) Three class hours per week. *Elective for Sophomores. First semester.*

24. ETHICS. Professor KENNEDY. *3 credit hrs.*

The bases of morality; theory of the moral life; moral issues involved in social problems. This course may be taken to meet part of the sophomore requirement in connection with the Humanities. Three class hours per week. *Elective for Sophomores. Second semester.*

26. INTRODUCTION TO THE PHILOSOPHY OF SCIENCE
Professor EPSTEIN. *3 credit hrs.*

An examination of two major aspects of the procedure of the physical and social sciences. (1) *Concept Formation:* interpreted and uninterpreted systems, semantical rules and measurement, definition and reduction, elementary and abstract terms, the reduction of theories. (2) *Explanation, Prediction and Confirmation:* individual events and laws, the logical character

of scientific laws, mechanical explanation and its probabilistic, genetic and teleological alternatives, relations and distinctions between explanation and prediction, probability and confirmation, the Paradoxes of Confirmation.

Detailed results will be brought to bear on such representative issues as: Space and Geometry in Physical Theory, Causality and Indeterminism in Physics and History, Mechanism and Vitalism in Biology, Methodological Individualism in Social Science. *Elective for Sophomores. Second semester.*

41S. PHILOSOPHY OF EDUCATION. *3 credit hrs.*
Professor KENNEDY.

A comparative and critical study of contemporary theories of education, in terms both of their historical origins and of current problems and controversies. Three class hours per week. *Elective for Juniors. Second semester.* (*Omitted 1962–63.*)

43. HISTORY OF ANCIENT AND MEDIEVAL PHILOSOPHY.
Professor KENNICK. *4 credit hrs.*

A survey of European philosophy from the early Greeks to the end of the Middle Ages, with emphasis on Plato, Aristotle, the Stoics, the Epicureans and some Christian philosophers. Reading and discussion of selected works of the period. Four class hours per week. *Elective for Sophomores. First semester.*

44. HISTORY OF MODERN PHILOSOPHY. *4 credit hrs.*
Professor KENNICK.

A survey of European philosophy in the seventeenth, eighteenth, and nineteenth centuries, with emphasis on Descartes, Spinoza, Locke, Hume, and Kant. Reading and discussion of selected works of the period. Four class hours per week. *Elective for Sophomores. Second semester.*

45. PHILOSOPHY OF RELIGION. Professor PEMBERTON. *3 credit hrs.*

(Same course as Religion 45.) An examination of some basic religious concepts in the light of philosophical analysis. Among topics to be considered are the nature and status of religious knowledge, the existence and nature of God, and some religious views of human nature and conduct. Three class hours per week. *Elective for Juniors. First semester.* (*Omitted 1962–63.*)

47. AMERICAN PHILOSOPHY. Professor MADDEN. *3 credit hrs.*

A study of the modern period in American thought. Reading and discussion of works by Peirce, Royce, James, Santayana, Veblen and Dewey. Three class hours per week. *Elective for Juniors. First semester.*

49. CONTEMPORARY RELIGIOUS THOUGHT. *3 credit hrs.*
Professor PEMBERTON.

(Same course as Religion 49.) *Elective for Juniors. First semester.*

51. AESTHETICS. Professor KENNICK. *3 credit hrs.*

A comparative and critical examination of the principal theories of the nature of art, the creative process, aesthetic experience, "beauty" or

aesthetic value, and of the principles of appreciation and the standards of criticism. Special emphasis is placed upon the thought of modern philosophers and critics. Three class hours per week. *Elective for Juniors. First semester.*

53. PLATO AND ARISTOTLE. Professor GOULD. *4 credit hrs.*

(Same course as Classics 53.) Several major works by each of these philosophers will be read in their entirety and discussed in class. The chief aim of the course will be to achieve a comprehension of the major philosophical positions of these writers, though some attention will also be paid to the historical development, the antecedents, and the subsequent influence of their ideas. All readings will be in English. Three class hours per week. *Elective for Juniors. First semester. Limited to twenty-five students.*

71. TOPICS IN PHILOSOPHY: PROBLEMS IN THE THEORY OF MEANING. Professor EPSTEIN. *4 credit hrs.*

An examination of three central themes in Wittgenstein's *Philosophical Investigations:* (1) words, descriptions, names and meanings in natural and artificial, (technical, scientific), languages, (2) analyses of meaning in terms of denotation, intention, verification and use, (3) relations and distinctions between the language of ordinary discourse and the language of science and philosophy.

In addition to selections from *Philosophical Investigations* and a brief excerpt from Wittenstein's *Remarks on the Foundations of Mathematics,* relatively short readings will be taken from the writings of Plato, Mill, Peirce, Frege, Russell, Moore, Schlick, Carnap, Bridgman, Quine and Strawson. Requisite: Two semester courses in philosophy, or the consent of the instructor. One two-hour seminar per week. *Elective for Juniors. First semester.*

72. TOPICS IN PHILOSOPHY: SOCIAL PHILOSOPHY. Professor KENNEDY. *4 credit hrs.*

A critical examination of various attempts to formulate a methodology for the social sciences. Among the topics considered are: the nature of social action; personality, society and culture; the sociology of knowledge; "historicism" and "scientism"; scientific method and value judgments; the relation between social theory and social policy. The readings will be chosen from such writers as Marx, Durkheim, Weber, Freud, Mannheim, Radcliffe-Brown, Myrdal and Dewey. Requisite: a grade of B in two semester courses in one of the following subjects: philosophy, psychology, political science, economics or history. One two-hour period per week. *Elective for Juniors. Second semester. Limited to fifteen students.* (*Omitted 1962–63.*)

74. METAPHYSICS. Professor KENNICK. *1 credit hr.*

A comparative and critical examination of some metaphysical concept (e.g., Substance, Event, Time) or of the answers, both classical and modern, to some metaphysical question. This examination will not be made for historical purposes but will presuppose some knowledge of the major

figures in the history of philosophy. Requisite: Philosophy 43 and Philosophy 44, or the consent of the instructor. One class hour per week. *Elective for Seniors. Second semester.*

79. CONFERENCE COURSE. The Department. *4–8 credit hrs.*
Required of candidates for honors in philosophy. Detailed outline of thesis and adequate bibliography for project required before Thanksgiving; preliminary version of substantial portion of thesis by end of semester. *Elective for Seniors. First semester.*

80. CONFERENCE COURSE. The Department. *4–8 credit hrs.*
Required of candidates for honors in philosophy. *Elective for Seniors. Second semester.*

91. SPECIAL TOPICS (Independent Reading Course) *1–4 credit hrs.*
First semester.

92. SPECIAL TOPICS. (Independent Reading Course) *1–4 credit hrs.*
Second semester.

Physical Education

Professors Eckley, Lumley, Richardson, Rostas and Wilson; Associate Professors Dunbar, McCabe and Ostendarp; Assistant Professors Miller, Scandrett and Serues; Mr. Van Petersilge.

Complete physical examination, physical fitness tests, special exercises for individual development and a program of instruction and participation in team games and sports. *Required for Freshmen and Sophomores and men who have not met the department standards in swimming, fitness, team games, and recreational sports.*

Physics

Professors Arons*, Benson, and Soller; Associate Professors Romer and Towne; Assistant Professors Dempesy and Gordon; Mr. Whiteside.

Any student considering a major in physics should seek the advice of a member of the Department as early as possible in order to work out a program best suited to his interest and ability, whether he is considering a career in physics, engineering, secondary school science teaching, one of the inter-science fields such as biophysics, or a non-scientific career. A prospective physics major should not fail to complete Math 3 and Physics 24 by the end of his sophomore year. Students interested in majoring in biophysics should consult the separate biophysics listings.

The minimum course requirements for a physics major are as follows: Math 31, Physics 24, 51, 52S, 55, 60, and one additional physics course, plus any courses beyond the sophomore science requirement in astronomy,

* *Absent on leave 1962–63*

biology, chemistry, geology or mathematics, to total 30 credit hours. In addition, all physics majors will attend the Physics Seminar during their junior year, and will participate actively in it in the senior year. A major is required to take written comprehensive examinations at the end of each semester of the senior year. The first examination will test general understanding at approximately the level of Physics 24. The second will call for comprehension at the more sophisticated level of the junior and senior courses.

The course requirements for a major with honors are the specific courses listed above, plus Math 32, Physics 57, 58, 74, 75, 79, 80. The normal schedule consists of Math 31–32 and Physics 51, 55, 57–58 and 60 in the junior year, and Physics 52S, 74, 75, 79 (4 hours) and 80 (8 hours) in the senior year. Upon consultation with the Department, these requirements and the schedule may be altered to fit the needs of individual students. At the end of the first semester of the senior year, the student's performance on the first comprehensive examination, together with his progress on his honors problem will determine the advisability of his being allowed to continue the honors program.

The aim of honors work in physics is to provide an opportunity for the student to develop under faculty direction his ability and interest in individual investigation, and his skill in experimental or theoretical techniques. The primary fields of experimental research in progress in the department are low temperature physics, nuclear magnetic resonance, mass spectrometry and oceanography. In addition, however, experimental equipment is available for work in some phases of magnetism, ultrasonics, optics, electronics, and atomic and nuclear physics. The student is given facilities to review the literature in the field chosen, to design, construct and assemble his experimental equipment, to perform experiments, and finally to prepare a thesis, which is due on May 1. During the spring, he will also present his work in the Physics Seminar, and at the end of the second semester, he will take an oral examination, in addition to the written comprehensive examination required of all physics majors (see above). This oral examination is devoted primarily to the student's thesis and to questions suggested by his work on the written comprehensive examinations.

The departmental recommendation for the various degrees of honors will be based on the student's record in the Department, the honors work, and the comprehensive and oral examinations.

1. Same course as Science 1. *4 credit hrs.*

2. Same course as Science 2. *4 credit hrs.*

23. INTERMEDIATE PHYSICS. Professor Benson. *4 credit hrs.*

A course designed primarily for students not majoring in the physical sciences, extending the work done in Science 1, 2 and discussing more fully such topics as periodic motion, electricity and magnetism, electronics, and

modern physics. Four hours of lectures and classroom discussions, and one laboratory period per week. Requisite: Science 1, 2. *Elective for Sophomores. First semester.*

24. INTRODUCTORY COURSE FOR PHYSICAL SCIENTISTS. Professor DEMPESY. *4 credit hrs.*

A course which takes up various blocks of subject matter and essential physical concepts not covered in Science 1, 2, with emphasis on areas such as the first and second laws of thermodynamics, electrical and mechanical oscillations, and electric and magnetic fields. This course is a prerequisite for all following physics courses, and is therefore required for all physics majors. Students not majoring in physics but who intend to include advanced physics courses in their program should elect this course rather than Physics 23. Four hours of lectures and classroom discussions and one laboratory period per week. Requisites: Science 1, 2, Math 3, unless exception is granted in advance by the instructor. *Elective for Sophomores. Second semester.*

51. MECHANICS. Professor DEMPESY. *3 credit hrs.*

Newtonian dynamics from a vector point of view. Special emphasis is placed upon central force motions, the two body problem, and moving reference frames. Three hours of lectures and discussions per week. Requisites: Physics 24, concurrent registration in Mathematics 31. *Elective for Juniors. First semester.*

52S. WAVE PHENOMENA. Mr. WHITESIDE. *4 credit hrs.*

General characteristics of wave motion—the wave equation, energy relationships, diffraction, interference, reflection, refraction and polarization. Each phenomenon will be discussed in the context of either optics or acoustics depending upon the relative importance of its applications in the two fields. In alternate weeks four classroom hours or three classroom hours and one laboratory. Requisites: Mathematics 31, Physics 24. *Elective for Juniors. First semester.*

55. ELECTRICAL MEASUREMENTS AND ELEMENTARY ELECTRONICS. Professor SOLLER. *2 credit hrs.*

Assigned reading, problems and laboratory work dealing with a-c circuits, the measurement of electrical and magnetic quantities, and the fundamentals of electronic devices and their uses as rectifiers, amplifiers, and oscillators. One classroom hour and one laboratory period per week. Requisite: Physics 24. *Elective for Juniors. First semester.*

57. ELECTROMAGNETIC THEORY, I. *2 credit hrs.*
Professor ROMER.

This course and Physics 58 deal with the theory of electromagnetic fields in vacuum and in material media. Electrostatics, potential theory, macroscopic theory of dielectrics, electrostatic energy. (Physics 57 may be elected without also electing Physics 58.) Two class hours per week. Requisites: Physics 24, concurrent registration in Mathematics 31. *Elective for Juniors, first semester.*

58. ELECTROMAGNETIC THEORY, II. *3 credit hrs.*
Professor ROMER.

Continuation of Physics 57. Currents, magnetic materials, magnetic vector potential, Maxwell's equations, electromagnetic waves, Poynting's theorem, radiation from an accelerated charge, relativistic treatment of electromagnetism. Three class hours per week. Requisites: Physics 57, concurrent registration in Mathematics 32. *Elective for Juniors, second semester.*

60. INTRODUCTION TO MODERN PHYSICS. *4 credit hrs.*
Professors GORDON and BENSON.

20th Century developments in physics. Photoelectric effect, Bohr's quantum theory, atomic spectra and the vector model of the atom, x-rays, selected topics in nuclear physics, special theory of relativity. Three hours of lectures and discussion, and one laboratory period per week. Requisite: Physics 51. *Elective for Juniors. Second semester.*

62. EXPERIMENTAL PHYSICS. Mr. WHITESIDE. *2 credit hrs.*

Electronics and selected topics in experimental physics. Normally four hours of laboratory per week, interspersed with occasional lectures. Requisite: Physics 55. *Elective for Juniors. Second semester.*

74. QUANTUM MECHANICS. Professor TOWNE. *3 credit hrs.*

Calculus of variations. Lagrangian and Hamiltonian formulations of classical mechanics. Heuristic introduction to concepts of Schrödinger wave mechanics. Expectation values, Ehrenfest's theorem, uncertainty principles. Application to square potentials, harmonic oscillator, hydrogen atom. Three hours of lectures and discussions per week. Requisites: Mathematics 32, Physics 52S, 58, 60. *Elective for Seniors. Second semester.*

75. THERMODYNAMICS. Professor GORDON. *4 credit hrs.*

Generalization of the ideas of work, heat, energy. Mathematics of thermodynamics. First and Second Laws with applications to one component systems. Thermodynamic functions as criteria of equilibrium. Interpretation of thermodynamic laws and functions in terms of the behavior of aggregations of atoms and molecules. Four hours of lectures and discussions per week. Requisites: Mathematics 32, Physics 58 or consent of the instructor. *Elective for Seniors. First semester.*

79–80. HONORS COURSE. The Department. *4–8 credit hrs.*

Individual, independent work on some problem, usually in experimental physics. Reading, consultation and seminars, and laboratory work. *Elective for Seniors who have been admitted to the honors program. First and second semester.*

91. SPECIAL TOPICS. (Independent Reading Course) *1–4 credit hrs.*
First semester.

92. SPECIAL TOPICS (Independent Reading Course) *1–4 credit hrs.*
Second semester.

Political Science

Professors Latham and Ziegler; Associate Professor Spiro; Assistant Professor Kateb and Mr. RePass.

Note: A major in political science consists of eight courses in political science. All majors are required to take 21 or 21S, Introduction to Political Science, and 31, American Government. For majors in the Department, 21 or 21S is a prerequisite or corequisite for all courses in the Department. In addition, the Department requires each major to take one of the courses in each of the following fields: Comparative Government, International Law and Relations, and Political Theory. *Rite* majors must take a seminar course in the Department in either their junior or senior years. In addition, they will be required to pass a written comprehensive examination on the four fields offered by the Department, in the spring of their senior year. Students not majors in the Department may take any course in the Department with the consent of the instructor.

The honors program is designed to provide students through advanced work in political science with the full opportunity for independent research and writing. In addition to the courses prescribed for all majors, honors candidates are required to take 79 and 80, and to prepare a substantial thesis based upon independent research, upon which they will be examined orally. In addition, they will be required to pass a written comprehensive examination on the four fields offered by the Department, in the spring of their senior year.

21. INTRODUCTION TO POLITICAL SCIENCE. *4 credit hrs.*
Professor Latham.

An analytical treatment of the role of politics in human society. Attention will be given to the theoretical and historical bases of political institutions, the social roots of political behavior, and the characteristics of the political process. Four hours of classroom work a week. Prerequisite or corequisite for all Political Science courses taken by Political Science majors. *Elective for Sophomores. First semester.*

21S. INTRODUCTION TO POLITICAL SCIENCE. *4 credit hrs.*
Professor Latham.

Same description as above. Prerequisite or corequisite for all Political Science courses taken by Political Science majors. *Elective for Sophomores. Second semester.*

23. EUROPEAN POLITICAL SYSTEMS. Professor Spiro. *4 credit hrs.*

A comparison of government and politics in Great Britain, France, Germany, Italy, Switzerland, Sweden, and the Soviet Union. Topics will include historical, cultural, social, and constitutional determinants of political style; relations between local, associational, and national politics; sources of consensus; and comparisons between constitutionalism and totalitarianism. *Elective for Sophomores. First semester.*

24. THE POLITICS OF DEVELOPMENT. *4 credit hrs.*
Professor SPIRO.

A comparison of politics in Latin America, South and South East Asia, the Near East, and Africa. Topics will include colonialism, independence movements, and nationalism; economic, social, and constitutional factors affecting political development; new elites; and the role of the developing areas in world politics. *Elective for Sophomores. Second semester.*

25. AMERICAN CONSTITUTIONAL DEVELOPMENT. *4 credit hrs.*
Professor LATHAM.

The development of American constitutional philosophy since 1787 under three general heads: the Agrarian Constitution, the Laissez-Faire Constitution, and the Welfare Constitution. Topics will include the Marshall and Taney eras, constitutional problems of slavery, the Civil War and Reconstruction, the constitutional foundations of 19th century capitalism, constitutional problems of federal and state regulation, civil liberties in the 20th century, the constitutional crisis of 1935–1937, and current problems of constitutional interpretation. Attention will be given to the judicial philosophies of the Federalist and Jacksonian judges, Field, Miller, Waite, Harlan, Holmes, Brandeis, Stone, Black, and Frankfurter. Four hours of classroom work per week. *Elective for Sophomores. First semester.*

27. POLITICAL PARTIES. Mr. REPASS. *4 credit hrs.*

The role of people, parties and pressure groups in the politics of American democracy. Attention will be devoted to: campaign activities of the candidates; party support for the candidates; voting behavior; sectional and historic roots of national politics; the institutional politics of Congress and the Presidency; the competition for power among business, labor, agriculture, and the other major organized interests. Three hours of classroom work per week plus participation and further work in political campaigns. *Elective for Sophomores. First semester.*

29. WORLD POLITICS. Professor SPIRO. *4 credit hrs.*

An analysis of politics in the global political system of the nuclear age. Topics will include comparisons between contemporary world politics and earlier systems of international relations; the relative importance of power, ideology, and procedure; policies of the major blocs; and international organization, especially the United Nations system. *Elective for Sophomores. First semester.*

31. AMERICAN GOVERNMENT. Professor ZIEGLER. *4 credit hrs.*

An introduction to the major problems of American democracy; their political, economic and social implications and their historical evolution. Politics and administration in their relation to constitutional government, federalism, suffrage, governmental functions, etc. Required for all majors in the Department. Four hours of classroom work per week. *Elective for Sophomores. First semester.*

41. THE ADMINISTRATION OF PUBLIC POLICY. *4 credit hrs.*
Mr. RePass.

An introduction to the problem of bureaucracy in American government with attention to social factors that shape and condition administrative structures; group behavior in administrative agencies; the theory of organization in its formal and informal aspects; the political setting of public administration; problems involved in the formulation of American foreign policy. Four hours of classroom work per week. *Elective for Juniors. First semester. Limited to twenty students.* (*Omitted 1962–63.*)

42. ADMINISTRATIVE LAW. Professor ZIEGLER. *4 credit hrs.*

An introduction to the American system of legal control exercised by other law administering agencies than the courts, with special reference to doctrines developed by the Interstate Commerce Commission, Securities and Exchange Commission, Federal Trade Commission, and the National Labor Relations Board. The course deals with the formulation of legislative purposes and administrative policies; administrative and judicial responsibilities for the enforcement of agency programs; and the nature and extent of judicial control over administrative action. Three hours of classroom work per week. Requisite: Political Science 25 or Political Science 41. *Elective for Juniors. Second semester. Limited to 25 students.* (*Omitted 1962–63.*)

44. INTERNATIONAL LAW. Professor ZIEGLER. *4 credit hrs.*

The historical basis and present trends in the development of international law will be discussed and related to the social, economic, and political aspects of present day world politics and government. Four hours of classroom work per week. *Elective for Juniors. Second semester.*

45S. COMPARATIVE POLITICS. Professor SPIRO. *4 credit hrs.*

Case studies drawn from contemporary political systems, both geographically and functionally defined. Topics will include such concepts as power, authority, policy, decision-making, and consensus. One three-hour seminar each week. *Elective for Juniors with the consent of the instructor. Second semester. Limited to fifteen students.*

46. INTERNATIONAL ORGANIZATION. *4 credit hrs.*
Professor SPIRO.

A comparative study of historical systems of international organization, with primary emphasis upon the League of Nations and the United Nations. Topics will include constitutional, procedural, and operational problems; collective security; disarmament; and theories of world order. One three-hours seminar each week. *Elective for Juniors with the consent of the instructor. Second semester. Limited to fifteen students.* (*Omitted 1962–63.*)

48. PROBLEMS IN PUBLIC POLICY AND ADMINISTRATION.
Professor LATHAM. *4 credit hrs.*

Selected topics in public policy and administration. One two-hour classroom meeting a week. *Elective for Juniors. Second semester. Limited to twenty-five students with the consent of the instructor.*

50. STATE AND URBAN PROBLEMS. Mr. RePass. *3 credit hrs.*
Examination of state and urban problems resulting from contemporary patterns of growth and development; systematic study of state and local political environments in which urban problems are resolved; discussion of the roles played by political officials in these varying political environments. Three class hours per week. *Elective for Juniors. Second semester.*

56. AMERICAN POLITICAL THOUGHT. *4 credit hrs.*
Professor Kateb.
A study of some of the major political ideas which have been formulated in response to American conditions from colonial times to the present. Connections with European thought will also be discussed. Four hours of classroom work per week. *Elective for Juniors. Second semester.* NOTE: This course does not satisfy the political theory requirement for political science majors.

57. POLITICAL THEORY FROM PLATO TO MACHIAVELLI.
Professor Kateb. *4 credit hrs.*
A study of some of the major writers who have dealt with questions of political practice and political morality in a systematic way. Readings and discussion. Three hours of classroom work per week. *Elective for Juniors. First semester. Limited to twenty-five students.*

58. POLITICAL THEORY FROM HOBBES TO THE PRESENT.
Professor Kateb. *4 credit hrs.*
A study of some of the major writers who have dealt with questions of political practice and political morality in a systematic way. Four hours of classroom work per week. *Elective for Juniors. Second semester.*

71. PUBLIC OPINION. Mr. RePass. *4 credit hrs.*
The role of public opinion in the politics of American democracy. Attention will be devoted to: measurement of opinion; the psychological organization of attitudes; the social and cultural sources of opinion; the rise, content, and impact of the mass media; politics in an era of mass communications. Three hours of classroom work per week plus participation in the design, administration and analysis of an opinion survey. *Elective for Juniors. First semester.*

79–80. HONORS COURSE. The Department. *6 credit hrs.*
Elective for Seniors who have satisfied the necessary requirements. First and second semesters.

91. SPECIAL TOPICS. (Independent Reading Course.) *1–4 credit hrs.*
First semester.

92. SPECIAL TOPICS. (Independent Reading Course.) *1–4 credit hrs.*
Second semester.

Psychology

Professors Koester and Coplin; Associate Professors Birney and Grose; Mrs. Olver.

Students majoring in psychology are required to elect thirty credit hours of course work in psychology or closely allied fields. A minimum of twenty-two hours must be elected from the course offerings of the department. Psychology 21 should be elected in the sophomore year by students who plan to major in psychology.

Students who are accepted for honors work are required to complete a research project during the senior year and to pass an oral examination based upon a written thesis. Students who plan to do honors work are expected to engage in exploratory research during the second semester of the junior year for the purpose of defining the nature of the research project to be done during the senior year.

A comprehensive examination is given to all majors during the second semester of the senior year.

21. INTRODUCTION TO PSYCHOLOGY. *4 credit hrs.*
The Staff.

An introduction to the nature and varieties of psychological inquiry with emphasis upon the basic determinants of behavior. Three lectures a week and laboratory sessions. *Elective for Sophomores. First semester.*

21S. INTRODUCTION TO PSYCHOLOGY. *4 credit hrs.*
The Staff.

Same course as Psychology 21. *Elective for Sophomores. Second semester.*

22. SOCIAL PSYCHOLOGY. Mrs. Olver. *3 credit hrs.*

A social psychological analysis of individual and group behavior with applications to selected social issues. Three class hours a week. Requisite: Psychology 21. *Elective for Sophomores. Second semester.*

39. PSYCHOLOGY OF PERSONALITY. *3 credit hrs.*
Professor Birney.

A study of personality with emphasis upon empirical findings and concepts related to man's adjustment to biological, social, and cultural events. Three class hours a week. Requisite: Psychology 21. *Elective for Juniors. First semester.*

42. MOTIVATIONAL AND COGNITIVE DETERMINANTS OF HUMAN BEHAVIOR. Professor Birney. *3 credit hrs.*

This course will aim at a synthesis of findings derived from a variety of approaches concerning motivational, emotional, and cognitive determinants of human behavior. Three class hours a week. Requisite: Psychology 21. *Elective for Juniors. Second semester.*

43. EDUCATIONAL PSYCHOLOGY. Professor Grose. *3 credit hrs.*

A psychological analysis of the educational process. The course is de-

signed both for the prospective teacher and those who have a general interest in the field of education. One two-hour seminar a week. Requisite: Psychology 21. *Elective for Juniors with the consent of the instructor. First semester. Limited to fifteen students.*

46. QUANTITATIVE METHODS IN PSYCHOLOGY. *2 credit hrs.* Professor GROSE.

A study of statistical procedures and other types of quantitative methods that are most commonly used in the analysis of research data. Attention will be given to the relationship between research design and statistical analysis. Two class hours a week. Requisite: Psychology 21. *Elective for Juniors. Second semester.*

47. DEVELOPMENTAL PSYCHOLOGY. Mrs. OLVER. *3 credit hrs.*

A study of human development with emphasis upon the general characteristics of various stages of development from birth through adolescence and upon general determinants in the developmental process. One two-hour seminar a week. Requisite: Psychology 21. *Elective for Juniors. First semester. Limited to fifteen students.*

50. READINGS IN CONTEMPORARY PSYCHOLOGICAL LITERATURE. Professor KOESTER. *4 credit hrs.*

A critical reading and discussion of contemporary writings not covered in the course offerings of the department. A two-hour seminar course limited to fifteen students. Requisite: Psychology 21. *Elective for Juniors with the consent of the instructor. Second semester.*

51. MARRIAGE AND THE FAMILY. Professor COPLIN. *1 credit hr.*

An introduction to marriage and the family with emphasis upon psychological, biological, and sociological findings. One class hour a week. *Elective for Juniors. First semester.*

55. PSYCHOLOGICAL VIEWPOINTS AND THEORY. *3 credit hrs.* Professor KOESTER.

This course will deal with basic issues in psychological inquiry viewed in historical perspective. Both methodological and theoretical issues will be stressed. Special attention will be given to the theoretical component of psychological knowledge with emphasis upon varieties of psychological theorizing and the criteria for fruitful theoretical activity. Three class hours a week. Requisite: Psychology 21. *Elective for Juniors. First semester.*

57. EXPERIMENTAL ANALYSIS OF ANIMAL BEHAVIOR. *4 credit hrs.*

A study of experimental findings concerning the basic physiological and environmental determinants of animal behavior. Attention will be given to the way in which general theories of behavior have been derived from animal research and to the possible uses of animal research findings in attempts to understand human behavior. Three class hours a week and laboratory sessions. Requisite: Psychology 21. *Elective for Juniors. First semester.* (*Omitted 1962–1963.*)

58. EXPERIMENTAL ANALYSIS OF HUMAN BEHAVIOR. *4 credit hrs.*

A study of experimental findings concerning the determinants of various forms of human behavior. One of the objectives of the course is to give the student a more detailed understanding of the way in which problems concerning human behavior can be formulated to make them amenable to experimental analysis. Attention will be given to empirical findings, research techniques, and theories constructed to account for existing findings and to stimulate further research. Three class hours a week and laboratory sessions. Requisite: Psychology 21. *Elective for Juniors. Second semester.* (*Omitted 1962–1963.*)

60. ABNORMAL PSYCHOLOGY. Professor COPLIN. *3 credit hrs.*

A study of the major classes of psychological disorder with particular attention to the causes and underlying mechanisms of the various abnormalities. Three class hours a week. Requisite: Psychology 21. *Elective for Juniors. Second semester. Offered in alternate years.* (*Omitted 1962–1963.*)

62. INTRODUCTION TO PSYCHOANALYTIC THOUGHT. Professor COPLIN. *3 credit hrs.*

A critical examination of psychoanalytic attempts to provide a theoretical understanding of human personality. Special emphasis will be placed upon the pioneer contributions of Freud and these will be compared and contrasted with later developments in the history of Psychoanalysis. Three class hours a week. Requisite: Psychology 21. *Elective for Juniors. Second semester. Offered in alternate years.*

79–80. SENIOR HONORS COURSE. *4 credit hrs., first semester; 6 credit hrs., second semester.*

This course is required of all students who have been accepted for honors work in the department.

91, 92. SPECIAL TOPICS. *1–4 credit hrs.*

This course is open to students who desire to engage in independent study of selected topics. Preference will be given to those students who have done good work in one or more departmental courses beyond the introductory level. Permission will be granted only to those students who have worked out a plan of independent study with some member of the department before the opening of the registration period. *Elective for Juniors and Seniors in any semester.*

Public Speaking

Assistant Professor ALLEN and Mr. MCCANTS.

Note: The introductory courses, 21 and 22, are required of all sophomores except those who have demonstrated clear adequacy in oral communication in tests given in the freshman year by the Department. Students not

exempted may be excused from Public Speaking 22 if the quality of their work in Public Speaking 21 justifies it.

Public Speaking 42 and 44 may be elected by students who have not taken Public Speaking 41 and 43.

Students with special speech problems should contact the Department so that clinical appointments may be scheduled.

21. FUNDAMENTALS OF PUBLIC SPEAKING. *1 credit hr.*
Professor Allen and Mr. McCants.

One hour of classroom work per week. *Required of Sophomores. First semester.*

22. FUNDAMENTALS OF PUBLIC SPEAKING. *1 credit hr.*
Professor Allen and Mr. McCants.

One hour of classroom work per week. *Required of Sophomores. Second semester.*

41. PERSUASION. Professor Allen. *3 credit hrs.*

Principles and methods of persuasion with practice in the preparation and delivery of various types of persuasive speeches. Three hours of classroom work per week. *Elective for Juniors. First semester.* (*Omitted 1962–63.*)

42. ARGUMENTATION. Professor Allen. *3 credit hrs.*

The theory of argument with practice in the preparation and delivery of various types of argumentative speeches and debates. Three hours of classroom work per week. *Elective for Juniors. Second semester.* (*Omitted 1962–63.*)

43. RHETORIC AND SPEECH CRITICISM. *4 credit hrs.*
Mr. McCants.

The study of rhetorical theory; ancient and modern. Speech criticism; theory and practice. Three hours of classroom work per week. *Elective for Juniors. First semester.*

44. BRITISH AND AMERICAN PUBLIC ADDRESS. *4 credit hrs.*
Mr. McCants.

History and criticism of British and American public address. Three hours of classroom work per week. *Elective for Juniors. Second semester.*

Religion

Associate Professors B. Morgan and Pemberton; Assistant Professor Mudge.

All courses in religion may count towards a major, which shall consist of Religion 21, Introduction to Religion, and seven additional semester courses in religion or related studies approved by the Department.

Of these seven additional courses at least four must be courses in religion, and it is recommended that they include Philosophy 43, 44, History of Philosophy.

The comprehensive examination in Religion will deal with the history and phenomenology of religious traditions, and selected topics from the fields of Bible, religious ethics, and philosophy of religion. Further information may be obtained from members of the Department.

Honors in religion shall consist of the Conference Course Religion 79, 80, taken in conjunction with a major in religion; satisfactory fulfillment of the general honors requirements of the College; satisfactory performance in written comprehensive examinations on the general history and phenomenology of religious traditions and on Bible, Philosophy of Religion, or some other area of special interest to the student; and the preparation and oral defense of a scholarly essay on a topic approved by the Department.

21. INTRODUCTION TO RELIGION. *4 credit hrs.*
Professors MORGAN and PEMBERTON.

A systematic examination of the phenomenology of religion, its social, cultural, psychological, and personal ramifications, and the facts of similarity and diversity. Two case studies from Asian and American settings. May be elected to fulfill part of the Humanities requirement. Four hours of classroom work per week. *Elective for Sophomores. First semester.*

23. THE OLD TESTAMENT. Professor MUDGE. *4 credit hrs.*
Foundations of the Hebrew-Christian tradition in the literature and life of the Old Testament. May be elected to fulfill part of the Humanities requirement. Four hours of classroom work per week. *Elective for Sophomores. First semester.*

24. THE NEW TESTAMENT. Professor MUDGE. *4 credit hrs.*
Foundations of the Christian tradition in the literature and life of the New Testament. May be elected to fulfill part of the Humanities requirement. Requisite: Religion 21 or 23, or consent of the instructor. Four hours of classroom work per week. *Elective for Sophomores. Second semester.*

26. THE WESTERN RELIGIOUS TRADITION. *4 credit hrs.*
Professor PEMBERTON.

Judaism and Christianity from the Talmud and the Church Fathers to the present. May be elected to fulfill part of Humanities requirement. Four hours of classroom work per week. *Elective for Sophomores. Second semester.*

44. RELIGIONS OF EAST ASIA. Professor B. MORGAN. *4 credit hrs.*
Exploration of the religions of China and Japan: Confucianism, Taoism, Shinto, and Mahayana Buddhism including the schools of Zen. Four hours of classroom work per week. *Elective for Juniors. Second semester.*

45. PHILOSOPHY OF RELIGION. Professor PEMBERTON. *3 credit hrs.*
An examination of some basic religious concepts in the light of philosophical analysis. Among topics to be considered are the nature and status of religious knowledge, the existence and nature of God, and some religious

views of human nature and conduct. Same course as Philosophy 45. Three hours of classroom work per week. *Elective for Juniors. First semester.* (*Omitted 1962–63.*)

48. RELIGION IN AMERICA. Professor B. MORGAN. *3 credit hrs.*
A survey of the main currents of religious thought in America from colonial times to the present. Three hours of classroom work per week. *Elective for Juniors. Second semester.* (*Omitted 1962–63.*)

49. CONTEMPORARY RELIGIOUS THOUGHT. *3 credit hrs.*
Professor PEMBERTON.
Analysis and comparison of the views of selected contemporary theologians and religious philosophers. (Same course as Philosophy 49.) Three hours of classroom work per week. *Elective for Juniors. First semester.*

52. CHRISTIAN SOCIAL ETHICS: STRUCTURE AND PRACTICE.
Professor B. MORGAN. *3 credit hrs.*
A critical study of ethical teaching and practice in the biblical and church tradition, and of their contribution to a constructive Christian ethic in such areas as power politics, economic life, the meaning of sexuality, the "crisis in communication," and the meaning of racial and cultural difference. Representative Roman Catholic and Protestant theologians. Three hours of classroom work per week. *Elective for Juniors. Second semester.*

79. CONFERENCE COURSE. The Department. *4–8 credit hrs.*
Selected topics of study; required of candidates for honors in religion. Detailed outline of thesis and adequate bibliography for project required before Thanksgiving; preliminary version of substantial portion of thesis by end of semester. *Elective for Seniors with the consent of the instructors. First semester.*

80. CONFERENCE COURSE. The Department. *4–8 credit hrs.*
Selected topics of study; required of candidates for honors in religion. *Elective for Seniors with the consent of the instructors. Second semester.*

91. SPECIAL TOPICS. (Independent Reading Course). *1–4 credit hrs.*
First semester.

92. SPECIAL TOPICS. (Independent Reading Course). *1–4 credit hrs.*
Second semester.

Russian

Assistant Professor ROSEN; Mr. RADLEY.

1. ELEMENTARY COURSE. Mr. RADLEY. *4 credit hrs.*
Pronunciation, grammar, oral practice. Four hours per week of grammar and two hours of oral practice. *Elective for Freshmen. First semester.*

2. INTERMEDIATE COURSE. Mr. RADLEY. *4 credit hrs.*
Four hours of grammar and two hours oral practice each week. Reading and analysis of selected texts. *Elective for Freshmen. Second semester.*

3. ADVANCED COURSE. Professor ROSEN. *4 credit hrs.*
Review of grammar and pronunciation. Reading and analysis of selected texts, fictional and non-fictional. Four hours per week of reading and two hours oral practice. *Elective for Freshmen. First semester.*

4. ADVANCED COURSE. Professor ROSEN. *4 credit hrs.*
Reading of literary texts from the 19th century and the modern period. Four hours per week of reading and two hours oral practice. *Elective for Freshmen. Second semester.*

5. READINGS IN RUSSIAN LITERATURE. *3 credit hrs.*
Professor ROSEN.
The aim of this course is to develop fluency and accuracy in translating fairly difficult prose, both fictional and non-fictional. Emphasis will fall on the nineteenth-century novel and short story. Three hours of classroom work per week. *Elective for Freshmen. First semester.*

6. READINGS IN RUSSIAN LITERATURE. *3 Credit hrs.*
Professor ROSEN.
Continuation of Russian 5. Soviet texts will be included. *Elective for Freshmen. Second semester.*

91. SPECIAL TOPICS. (Independent Reading Course). *1–4 credit hrs. First semester.*

92. SPECIAL TOPICS. (Independent Reading Course). *1–4 credit hrs. Second semester.*

Science

SCIENCE 1. Professors TOWNE and WILLCOX in charge. *4 credit hrs.*
A course in physical science and mathematics. The objectives of the course are: to show what is meant by a scientific concept and how scientists construct a conceptual scheme to obtain a deeper understanding of physical phenomena; to show how scientists work and reason and how such reasoning has led to discoveries which have influenced the development of our culture and the outlook of man toward the world around him; to impart some knowledge of physical laws and phenomena, particularly those which affect our everyday lives and actions.

To achieve these ends, no attempt is made to cover a wide range of subjects in the fields of physics and mathematics; rather, a limited number of subjects is studied with some care, so as to develop a more profound understanding than would otherwise be possible.

In physics, topics are selected from mechanics in such a way as to develop an understanding of the ideas which led to Newton's formulation of the

laws of mechanics and the theory of gravitation and thence to indicate the impact which the Newtonian synthesis has had on the subsequent development of science and philosophy. Selected topics from electricity and optics are then introduced and, combined with the previously developed topics in mechanics, are used to show how we have arrived at our present conception of the structure of matter.

In mathematics, topics are selected from analytic geometry and calculus in such a way as to show how this science has arisen as a powerful independent discipline and how its tools, in turn, have profoundly influenced the development of physical science. An introduction to the theory of sets is included.

Mathematics, two hours; Physics, two hours; Laboratory, two hours. *Required for Freshmen. First semester.*

SCIENCE 2. Professors TOWNE and WILLCOX in charge. *4 credit hrs.*

The second semester of the course outlined above under Science 1.

Mathematics, two hours; Physics, three hours; Laboratory, two hours. *Required for Freshmen. Second semester.*

SCIENCE 1–2 STAFF; Professors ARONS,* BENSON, DEMPSEY, GORDON, LANGFORD, REID, RICHARDS, ROMER, SOLLER, SPRAGUE, TOWNE, WILLCOX.

3S. CONCEPTS AND METHODOLOGY IN MODERN SCIENCE. Professors ARONS and EPSTEIN. *4 credit hrs.*

A course in physical science and philosophy, treating three great conceptual developments through which modern science has influenced the history of ideas and man's view of his place in the universe: relativity, the laws of thermodynamics, the quantum concepts. The point of departure is that reached at the end of Science 1, 2. Mathematical and physical concepts developed in the freshman course will be used throughout and will be extended where necessary. The scientific ideas will be developed with logical care and will be examined in their philosophical and historical context. The course is intended primarily as an elective for majors in humanities and the social sciences; it is not open to physics majors. Majors in other sciences may be admitted by permission of the instructors. *Elective for Sophomores. Second semester. Alternate years.* (*Omitted 1962–63.*)

21. CHEMISTRY-BIOLOGY SEQUENCE. CHEMISTRY. *4 credit hrs.* Professors BEEBE, LANGFORD and WHITNEY.

A study of substances, their structure, their properties and the reactions by which they are converted into other substances. Attention is given to the orientation of chemistry toward physics, biology and the other related sciences. Three hours classroom and four hours laboratory work per week. (Same course as Chemistry 21.) Requisite: Science 2. *Elective for Sophomores. First semester.*

* *Absent on leave 1962–63.*

22. CHEMISTRY-BIOLOGY SEQUENCE. GENERAL BIOLOGY. Professor KIDDER. *4 credit hrs.*

An introduction to biological principles integrated with the first semester chemistry which is arranged as part of a program of liberal study. Four classroom hours and two hours of laboratory work per week. (Same course as Biology 22.) *Elective for Sophomores. Second semester.*

23. ORGANIC EVOLUTION. Professor HEXTER. *4 credit hrs.*

A study of the evolution of organisms including the genetic background of evolution, the evolution of structure and function and certain theoretical aspects of the subject. Four lectures and one two-hour laboratory per week. (Same course as Biology 23.) *Elective for Sophomores. First semester.*

23S. ORGANIC EVOLUTION. Professor WOOD. *4 credit hrs.*

Same description as Science 23; same course as Biology 23S. *Elective for Sophomores. Second semester.*

41. INTRODUCTION TO THE HISTORY OF SCIENCE. *3 credit hrs.*

History and method of mechanics from the 13th century to Hamilton and Lagrange. The historical development of axiomatic biology. Three class meetings per week. Requisite: Completion of the Amherst College science requirement or its equivalent. *Elective for Juniors. First semester.* (*Omitted 1962–63.*)

Spanish

Professor JOHNSON; Visiting Professor WHITMORE;
Assistant Professor CANNON.*
ASSISTANT: Mrs. GALVIN.

All *rite* majors in Spanish are required to elect 30 semester hours of courses offered or approved by the Department, including Spanish 7 or 7S, but excluding Spanish 1 and 3. All honors candidates are required to elect courses 7 or 7S, 10, 21, 22, 25, 26, 42, 79–80. This course program may be adjusted in certain cases. Honors candidates must present a thesis and pass a comprehensive examination in the history of Spanish literature and in the critical interpretation of texts. Beginning with the class of 1962, all majors must pass the comprehensive examination. A reading list will be furnished to aid in preparation for the examination.

A combined major in two languages may be arranged by consultation with the Department. For a student whose primary foreign language is Spanish, the major must include 20 credit hours in Spanish exclusive of Spanish 1 and 3. In the second language it must include ten hours, of which at least three must deal with literature. A comprehensive examination covering both fields will be given. A reading list will be made to suit individual cases.

* *Absent on leave 1962–63.*

Requirements for Sophomores in Humanities. The following courses are approved as satisfying the Humanities requirement in sophomore year: any course or combination of courses (numbered above 5, except Spanish 10) giving 4 credit hours.

1. ELEMENTARY COURSE. *4 credit hrs.*

Visiting Professor WHITMORE and assistant.

Three hours a week for explanation and demonstration, and four hours a week in small sections for oral and aural practice. *Elective for Freshmen. First semester.*

3. INTERMEDIATE COURSE. *4 credit hrs.*

Professor JOHNSON and assistant.

Review of grammar; oral and aural practice; study of selected texts. Three hours a week for explanation and demonstration, and three hours a week for oral and aural practice. Assignment to this course will be made on the basis of the score in the CEEB Achievement Test. *Elective for Freshmen. First semester.*

3S. INTERMEDIATE COURSE. *4 credit hrs.*

Visiting Professor WHITMORE and assistant.

Same description as above. Requisite: Spanish 1, or the equivalent. *Elective for Freshmen. Second semester.*

5. ADVANCED COURSE. *4 credit hrs.*

Professor JOHNSON and assistant.

The purpose of this course is to complete the student's training in reading and in aural comprehension. Six hours a week in the language laboratory and in class. Stress will be placed on the acquisition of aural comprehension of the language and on oral practice. Conducted in Spanish. Requisite: a satisfactory score in the CEEB Achievement Test, or Spanish 3, or the equivalent. *Elective for Freshmen. First semester.*

5S. ADVANCED COURSE. *4 credit hrs.*

Professor JOHNSON and assistant.

Same description as above. Requisite: a satisfactory score in the CEEB Achievement Test, or Spanish 3, or the equivalent. *Elective for Freshmen. Second semester.*

7. INTRODUCTION TO HISPANIC CIVILIZATION. *4 credit hrs.*

Professor JOHNSON.

Four hours a week for the reading and discussion of selected texts representing the drama, the novel, and poetry. Conducted in Spanish. Requisite: satisfaction of the language requirement. *Elective for Freshmen. First semester.*

7S. INTRODUCTION TO HISPANIC CIVILIZATION. *4 credit hrs.*

Professor JOHNSON.

Same description as above. Requisite: satisfaction of the language requirement. *Elective for Freshmen. Second semester.*

10. COMPOSITION AND CONVERSATION. *4 credit hrs.*
Visiting Professor WHITMORE.

Practice in conversation, composition and translation into Spanish. Three class and two laboratory hours a week. Requisite: permission of the instructor. *Elective for Freshmen. Second semester.*

21. SPANISH LITERATURE SINCE 1898. *4 credit hrs.*
Professor CANNON.

Three hours a week. A survey of the renaissance of Spanish literature in the twentieth century. Extensive reading, with emphasis on Unamuno, Machado, Ortega, Lorca, and Alonso. Background lectures, written reports, outside reading. Conducted in Spanish. Requisite: Spanish 7, 7S or consent of the instructor. *Elective for Sophomores.* (*Omitted 1962–63.*)

22. READINGS IN SPANISH AMERICAN LITERATURE.
Professor JOHNSON. *4 credit hrs.*

Three hours a week to read and discuss representative works by Spanish American writers. Conducted in Spanish. Limited to 25 students. Requisite: permission of the instructor. *Elective for Sophomores. Second semester.*

25. THE MODERN SPANISH NOVEL. *4 credit hrs.*
Professor CANNON.

Three hours a week. Extensive reading of Spanish novels of the nineteenth and twentieth centuries, with special attention to Galdós, Unamuno, Baroja, and Cela. Background lectures, reports, outside reading. Conducted in Spanish. Requisite: Spanish 7, 7S or consent of the instructor. *Elective for Sophomores.* (*Omitted 1962–63.*)

26. CERVANTES. Professor JOHNSON. *4 credit hrs.*

Three hours a week to study the major prose works of Cervantes and their relation to the Golden Age. Emphasis on *Don Quixote de la Mancha.* Limited to 25 students. Conducted in Spanish. Requisite: permission of the instructor. *Elective for Sophomores. Second semester.* (*Omitted 1962–63.*)

27. HISPANIC AUTHORS. *1 credit hr.*

Once a week to discuss some aspect of Hispanic literature. Requisite: permission of the instructor. *Elective for Sophomores. First semester.* (*Omitted 1962–63.*)

28. HISPANIC AUTHORS. *1 credit hr.*

Same description as Spanish 27. Requisite: permission of the instructor. *Elective for Sophomores. Second semester.* (*Omitted 1962–63.*)

29. CONTEMPORARY SPANISH LITERATURE. *4 credit hrs.*
Visiting Professor WHITMORE.

Selected readings from the works of representative authors from 1898–1960, with emphasis on Unamuno, Baroja, Ortega, and, from the present generation, Camilo José Cela and the experimental novelists. Lectures, class discussion, written reports, outside reading. Conducted in Spanish.

Requisite: Spanish 7, 7S, or the consent of the instructor. *Elective for Sophomores, and qualified Freshmen. First semester.* (*Offered only in 1962–63.*)

42. ADVANCED READINGS IN SPANISH LITERATURE.
The Department. *2–4 credit hrs.*

The content of this course will be determined each year by the student in consultation with the Department. Students with special interests are invited to consider the possibilities of this course. Requisite: permission of the Department. *First and Second semesters.* (*Omitted 1962–63.*)

79–80. CONFERENCE COURSE FOR HONORS CANDIDATES.
4–6 credit hrs.

91. SPECIAL TOPICS (Independent Reading Course). *1 to 4 credit hrs. First semester.*

92. SPECIAL TOPICS (Independent Reading Course). *1 to 4 credit hrs. Second semester.*

III

Lectureships

Honors

Fellowships

Prizes

Awards

Lectureships

The Henry Ward Beecher Lectureship

This lectureship fund of $10,000 was founded by the late Frank L. Babbott, LL.D., of the Class of 1878, in honor of Henry Ward Beecher, of the Class of 1834. The incumbent is appointed biennially by the Faculty for supplementary lectures in the departments of history and the political, social, and economic sciences.

The Clyde Fitch Fund

A fund of $20,000 was established by Captain and Mrs. W. G. Fitch of New York in memory of their son, Clyde Fitch, of the Class of 1886. The income of this fund is to be used for the furtherance of the study of English literature and dramatic art and literature. The whole or part of this income is usually devoted to the remuneration of an eminent lecturer, who may also take a part in the regular instruction of the College

The John Woodruff Simpson Lectureship

A fund now amounting to $204,800 was established in memory of John Woodruff Simpson, of the Class of 1871, by his wife and daughter. The income is to be used for fellowships and "to secure from time to time, from England, France or elsewhere, scholars for the purpose of delivering lectures or courses of instruction at Amherst College."

The George William and Kate Ellis Reynolds Lectureships

A fund of $150,000 established by the late George W. Reynolds of the Class of 1877 provides an annual income of approximately $10,000 which is divided into three equal parts to provide lectureships on Christ and Christianity, Science, and American Democracy.

The Charles E. Merrill Lectureship

A fund has been given by the late Charles E. Merrill of the Class of 1908 for a series of lectures and formal discussions on applied economics. Upon delivery, these lectures become the property of Amherst College for publication.

As in previous college years, a number of Merrill Lecturers will be brought to the College during 1962–1963 from the fields of government, business, labor, and agriculture.

Honors

THE PHI BETA KAPPA SOCIETY

The students elected to membership in this honor society are those of highest standing and are normally candidates for the degree with honors. A preliminary election of outstanding students occurs at the end of the first semester of Junior year; and further elections occur at the end of the first semester and at commencement time of Senior year. Membership in the society is extended to about a tenth of the students in each class.

Officers

President: Willard L. Thorp, '20
Vice-President: Theodore Soller
Secretary-Treasurer: William H. Pritchard, '53

First, Second, and Third Elections, Class of 1962

Laurence Holland Beck
Richard Jeffrey Braemer
Gordon Goodhue Brittan, Jr.
Irwin Allan Buchwald
Luther Pirie Carpenter
Reid Peyton Chambers
Barkley Clark
Jack LeRoy Easterling
Henry Allen Freedman
Edward Joseph Goetzl
Jeffrey Arnold Gottlieb
James Alfred Guest, Jr.
Jeffrey David Gutcheon
Robert Gordon Keith
James Allan Krick
Jay Lawrence Kriegel
James Louis Lehr
Jay Edward Mittenthal
Alden Adams Mosshammer
Dean Allen Paxson
Stewart Samuel Richmond
Jerold Michael Rothstein
George Sebastian Rousseau
Richard Siegler
George Reinhold Tappert
James Ralph Wiener

THE SOCIETY OF THE SIGMA XI

Sigma Xi, the National Honorary Scientific Research Society, was founded in 1886; the Amherst Chapter was installed March 23, 1950. As one of its purposes the Society gives recognition to those students, members of the faculty, and research associates who have demonstrated ability to carry on constructive scientific research or who show definite promise of research ability. Other functions are the maintenance of companionship among investigators in the various fields of science, the holding of meetings for the discussion of scientific subjects, and the fostering of an interest in scientific research in the College.

Undergraduates, masters candidates, and others who show definite promise of research ability may be recommended to associate membership by the departments concerned. In the case of undergraduates, nomination will be given only to those students whose promise of research ability would warrant recommendation for at least a degree *magna cum laude* (entirely aside from the question of grades). At present the chapter has a total membership of some 80 faculty and students.

Officers

President: Professor Theodore Soller
Vice-President: Professor Robert C. Birney
Secretary-Treasurer: Professor L. Willard Richards

Initiates—1962
to Full Membership

Henderika S. Rynbergen

To Associate Membership

James P. Aplington
Laurence H. Beck
David K. Blood
Irwin A. Buchwald
David L. Elwell
Gerald R. Fink
Edward J. Goetzl
Jeffrey A. Gottlieb
James A. Krick
James L. Lehr
Jay E. Mittenthal
Sidney B. Parsons
Stewart S. Richmond
Peter N. Rosenthal
George R. Tappert

THE BOND FIFTEEN

From the fifteen Seniors who have attained the highest general standing at the end of the first semester of senior year, two speakers are selected upon the basis of literary and oratorical merit to deliver orations at the Class Day Exercises. The Bond Prize of one hundred dollars is awarded to the speaker who delivers the best oration.

The Bond Fifteen, 1962

Laurence Holland Beck
Richard Jeffrey Braemer
Gordon Goodhue Brittan, Jr.
Irwin Allan Buchwald
Luther Pirie Carpenter
Barkley Clark
Henry Allen Freedman
Jeffrey Arnold Gottlieb
Robert Gordon Keith
Jay Edward Mittenthal
Jerold Michael Rothstein
George Sebastian Rousseau
Richard Siegler
George Reinhold Tappert
James Ralph Wiener

DELTA SIGMA RHO

Delta Sigma Rho was founded in 1906; the Amherst Chapter was admitted in 1913. The purpose of Delta Sigma Rho is to encourage sincere and effective public speaking and to recognize achievement in this field of endeavor. To qualify for membership students must have participated in intercollegiate debating and be in the top 35% of their class. Members-at-large may be elected to recognize outstanding contributions to forensics.

Member-at-large: Professor Stewart Lee Garrison

Graduate Members: Mr. James Alfred Guest
Professor Hugh Dodge Hawkins
Professor Willard Long Thorp

Fellowships

The College's funds for fellowships aggregate $525,000. From the income of these funds fellowships are awarded annually to graduates of Amherst College, and in some instances to graduates of other colleges, for study in graduate or professional schools. Applications should be made in writing to the Dean before March first.

The names of those to whom fellowships have been awarded for the current year will be found on page 14.

The Amherst-Doshisha Fellowship

Amherst-Doshisha Fellowship at Amherst House, Doshisha University, Kyoto, Japan. An opportunity to work in a bi-cultural setting with Professor Otis Cary, Director of Amherst House, is open to young alumni of the College for a term of one, or in some cases, two years. Travel expenses and a modest stipend are paid by the College. The recipient will be given the opportunity of assisting Otis Cary in the activities of Amherst House and also in teaching English to Japanese students. No knowledge of Japanese is required.

The Amherst Memorial Fellowships for the Study of Social, Economic, and Political Institutions, and for Preparation for Teaching and the Ministry

A fund of $121,500 provides fellowships to perpetuate the memory of those Amherst men who gave their lives for an ideal. The following statement expresses the purposes of the donor of these fellowships: "Realizing the need for better understanding and more complete adjustment between men and existing social, economic, and political institutions, it is my desire to establish a fellowship for the study of the principles underlying these human relationships."

Appointments to these fellowships may be made from the graduating class or the alumni of Amherst College or of other colleges, the object being to permit men of character, scholarly promise, and intellectual curiosity to investigate some problem in the humanistic sciences. Candidates should be men of sound health. During previous training they should have given evidence of marked mental ability in some branch of the social sciences—history, economics, political science—and have given promise of original contribution to a particular field of study. It is desirable that they possess qualities of leadership, a spirit of service, and an intention to devote their efforts to the betterment of social conditions through teaching in its broad sense, journalism, politics, or field work.

While preference is given to candidates planning to do advanced work in the field of the social sciences, applications will be accepted and awards made to candidates who are planning to go to theological school as a preparation for a career in the ministry and to those from other fields

than the social sciences who are preparing for a career in teaching in secondary schools or colleges.

Appointments may be made for terms of two years. Tenure may, however, be shorter or longer, depending upon the nature of the subjects investigated or upon other circumstances which, in the judgment of the committee, warrant a variation in the length of tenure.

The stipend will vary according to the circumstances of the appointment. Awards will depend upon those aspects of individual cases which, in the judgment of the committee, most suitably fulfill the purpose of the foundation.

These fellowships will be awarded by the Board of Trustees upon the recommendation of the Faculty Fellowship Committee.

The Henry P. Field Fellowships

Two fellowships of $500 each are available from the income of the bequest of the late Henry P. Field of the class of 1880, to promote graduate study in the fields of English and History. Appointments are made annually by the College on the recommendation of the departments of English and History.

The Edward Hitchcock Fellowship

The income from a fund of $20,000 founded by the late Mrs. Frank L. Babbott of Brooklyn, N. Y., is available for the promotion of graduate study in the department of physical education. Its object is to make the student familiar with the best methods of physical training, both in the gymnasium and on the field. The appointment is made by the Faculty.

The Roswell Dwight Hitchcock Memorial Fellowship

A fund of $8900, established through the agency of the Alpha Delta Phi Fraternity, provides an annual award under conditions determined by the Faculty, to a member of the senior class for excellence in history and the social and economic sciences. The holder of the Fellowship pursues for one year, at an institution approved by the Faculty, a course of study in history or economics, to be completed within the period of two years next following graduation. The amount of the Fellowship is paid in two installments, one on completion of one-half the year's work, the other at the end of the year.

The Rufus B. Kellogg University Fellowship

The income from a fund of $55,100 established by the late Rufus B. Kellogg of the Class of 1858 provides certain prizes, and a fellowship award for three years to an alumnus of Amherst College, who shall be appointed upon the following conditions:

1. He shall be elected by the Faculty from the members of the class graduated at the close of the academic year in which this election shall

be made, or from the members of the classes graduated in the six years immediately preceding the academic year in which this election shall be made.

2. The faculty shall select as the incumbent of the said Fellowship the man who, in their judgment, is best equipped for study and research, without regard to any other considerations whatsoever, except that he should have an especially good knowledge of at least one modern foreign language and should have had at least one year of Latin in preparatory school or college.

3. The three years shall be spent by the incumbent at a German University, or with the approval of the said Faculty at any other place or places, in the study of philosophy, philology, literature, history, political science, political economy, mathematics or natural science. At least one college term of the final year shall be spent by the incumbent at Amherst College, where he shall give a series of not more than thirty lectures on a subject selected by himself and approved by the Trustees. The lectures shall be given to the Senior class, but the members of all other classes shall have the privilege of attending. The incumbent shall have his lectures published, at the end of his official term, in good book form, or in a learned journal.

The Krupp Fellowship

A fellowship of $2500 is to be awarded annually either to a member of the senior class, a graduate of the College, or a member of the Faculty, with preference in that order, for advanced study in any field at a German University.

In the event a recipient under the above categories is not available in any one year, a smaller award may be made to an undergraduate for summer study in Germany.

The recipient of either the regular fellowship or the summer award must have a good command of reading and oral German.

The selection of the Krupp Fellowship will be made by the Faculty Fellowship Committee in consultation with the German Department.

The Edward Poole Lay Fellowship

The income from a fund of $40,800, established by Frank M. Lay, of the class of 1893, and Mrs. Lay, in memory of their son Edward Poole Lay, of the class of 1922, provides for a fellowship to be awarded to a graduate of Amherst College who has shown unusual proficiency and talent in music, and who desires to continue his studies in this field. Preference is to be given to a candidate who is proficient in voice. In the event that there is no qualified candidate for the award in any one year in the musical arts (especially voice and instrumental music), then it may be awarded under the same conditions to a qualified candidate in the field of the dramatic arts.

This fellowship will be awarded by the Board of Trustees upon the recommendation of the Faculty Fellowship Committee.

The James Ingram Merrill Award

A fellowship of $1,000 is available for a member of the graduating class, or a recent alumnus, who has done outstanding work in the field of English to assist him in graduate study at a University of his choice. The award may be made for either scholarly promise or for ability in creative writing. The award is to be made by the Fellowship Committee upon recommendation from the English Department.

The Forris Jewett Moore Fellowships

These fellowships, three in number, were established in memory of Forris Jewett Moore of the class of 1889 by his widow, Emma B. Moore. In each case, the beneficiary is to be a member of the graduating class of the year preceding that in which he holds the Fellowship.

1. A fund of $24,200, the income of which is to be used to assist some graduate of Amherst College who has distinguished himself in the study of chemistry while an undergraduate, and who desires to engage in further study of that subject. Preference is to be given to eligible candidates whose plans lie in the field of organic chemistry.
2. A fund of $19,300, the income of which is to be awarded to a graduate of Amherst College who has distinguished himself in the study of history while an undergraduate, and who desires to engage in further study of that subject.
3. A fund of $24,200, the income of which is to be awarded to a graduate of Amherst who has distinguished himself in the study of philosophy while an undergraduate and who desires to engage in further study of that subject.

The George Stebbins Moses Memorial Fellowship

The income from a memorial fund provides a fellowship to be awarded to an Amherst graduate each year who has been accepted by a recognized divinity school, who has good reason to seek financial aid, who seems to be an all-around man qualified in all respects as a religious and moral leader and a lover of ordinary people, and who is qualified scholastically to meet the calling of a theological career creditably. The candidate need not be an outstanding student, but improvement in the upperclass years, dedication, and a sense of purpose will be given great consideration.

The recipient will be selected by the Fellowship Committee acting with the College Chaplain and, ordinarily, will be awarded on an annual basis but, under appropriate circumstances, it may be renewed for a second or third year at the discretion of the Committee. If the income and needs of candidates permit, more than one fellowship may be awarded in any given year.

The George A. Plimpton Fellowships

These fellowships, established by the Board of Trustees of Amherst College in memory of George A. Plimpton of the class of 1876, a member of the Board from 1890 to 1895 and from 1900 to 1936, and President of the Board from 1907 to 1936, are to be awarded without stipend to members of the senior class who are of outstanding scholastic ability and promise, who plan to continue their studies in graduate school, and who are not in need of financial assistance.

These fellowships will be awarded by the Board of Trustees upon recommendation of the Faculty Fellowship Committee.

The Sherman Pratt Faculty Fellowships for Study Abroad

These fellowships are awarded by the President of the College to younger members of the Amherst Faculty, on the basis of past performance in teaching, scholarship, and programs for further study. The stipends may be fixed in such amount as the President may determine. Each holder of a Sherman Pratt Fellowship will be expected on his return to the College to deliver to the college body one or more lectures.

The John Woodruff Simpson Fellowships and Lectureships

A fund now amounting to $205,100 was established in memory of John Woodruff Simpson of the class of 1871, by his wife and daughter. The uses of the income as defined by the donors follow:

"I. To award to any graduate of Amherst College a fellowship for use in studying law at any school approved by the Board of Trustees of the College;

"2. To award to any graduate of Amherst College a fellowship for use in studying medicine at any school approved by the Board of Trustees of the College;

"3. To award to any graduate of Amherst College a fellowship for use in studying theology at any school approved by the Board of Trustees of Amherst College, without regard to the particular creed or particular religious belief taught thereat;

"4. To award to any graduate of Amherst College a fellowship for use in studying at any school, college or university approved by the Board of Trustees of the College, in preparation for the teaching profession;

"5. To award to any graduate of Amherst College a fellowship for use in graduate study at the universities of Oxford or Cambridge in England;

"6. To award to any graduate of Amherst College a fellowship for use in graduate study at the Sorbonne in Paris;

"7. To secure from time to time from England, France or elsewhere, scholars for the purpose of delivering lectures or courses of instruction at Amherst College."

These fellowships will be awarded by the Board of Trustees upon the recommendation of the Faculty Fellowship Committee.

The Benjamin Goodall Symon, Jr. Memorial Fellowship

The income from a memorial fund provides a fellowship to be awarded to an Amherst graduate each year who has been accepted by a recognized divinity school, who has good reason to seek financial aid, who seems to be an all-around man qualified in all respects as a religious and moral leader, and who is qualified scholastically to meet the calling of a theological career creditably, although he may plan to use the divinity school training for work in another field. The candidate need not be an outstanding student, but improvement in the upperclass years, dedication, and a sense of purpose will be given great consideration.

The recipient will be selected by the Fellowship Committee acting with the College Chaplain and, ordinarily, will be awarded on an annual basis but, under appropriate circumstances, it may be renewed for a second or third year at the discretion of the Committee. If the income and needs of candidates permit, more than one fellowship may be awarded in any given year.

Fellowships Awarded by the American Schools of Classical Studies at Athens and Rome

The attention of graduate students interested in the Classics and in Archaeology and Ancient Art is called to the opportunities offered by the American Schools of Classical Studies at Athens and Rome. As the College contributes regularly to the support of these schools, any Amherst graduate may enjoy the privileges of study at either school without charge for tuition and may compete for the annual fellowships which they offer. Further information may be obtained from any classical teacher at the College.

Columbia—Amherst Memorial Fellowship in History

This fellowship offered jointly by Amherst and Columbia is open to Amherst students in the graduating class for the study of History (preferably European History) at Columbia University. The stipend is determined on the basis of need but may be as much as $2500. It may be renewed for a second year if a student's record justifies such a renewal.

Yale—Amherst Memorial Fellowship in History

This fellowship offered jointly by Amherst and Yale is open to Amherst students in the graduating class for the study of History (preferably American History) at Yale University. The stipend is determined on the basis of need but may be as much as $2500. It may be renewed for a second year if a student's record justifies such a renewal.

Prizes and Awards

The following prizes are offered annually for proficiency in the work of the several departments of collegiate study, and for other qualifications. The recipients of awards for the previous year are named in each case.

American Studies

THE GEORGE ROGERS TAYLOR PRIZE, to be awarded annually to the sophomore who in the opinion of the American Studies Department shows most promise for creative and scholarly work in the field of American Studies.

David Aaron Soskis, '64

Art

THE ANNA BAKER HEAP PRIZE, from the income of a fund of $1,800, established by the late Arnold N. Heap of the class of 1873; $125 is awarded to that Senior who submits the best essay in the field of "Art."

Peter Radcliffe Jones, '62

Biology and Geology

THE HARVEY BLODGETT SCHOLARSHIP, from the income of a fund of $2,700, established by Frederick H. Blodgett in memory of his grandfather, Harvey Blodgett of the class of 1829, is awarded to aid student work in biology and geology in their educational phases as distinct from their more technical and strictly scientific phases.

THE PHI DELTA THETA SCHOLARSHIP, from the income of a fund of $600, established by the Phi Delta Theta Fraternity, is awarded as a scholarship at the Woods Hole Marine Laboratory to a student for proficiency in biology.

(The two preceding scholarships usually are combined, with a single award of $215.)

Divided among: Thomas Edward Pliske, '63
Jonathan Reiskind, '62
Frank Garfield Stiles, III, '64

Chemistry and Medicine

THE HOWARD WATERS DOUGHTY PRIZE, from the income of a fund of $1,100, given anonymously; $75 is awarded to that member of the junior class who, in the opinion of the chemistry department, is best qualified to undertake an honors program.

Jon Eliot Rohde, '63

THE FRANK FOWLER DOW PRIZES, part of the income from a fund established by Fayette B. Dow, '04, in memory of his father; $300 is awarded to a member or members of the junior or senior class preparing to enter medical school and whose undergraduate work indicates a career of usefulness and distinction in medicine.

Laurence Holland Beck, '62

Dramatics

THE RAYMOND KEITH BRYANT PRIZE, an annual gift of $25 from Robert E. and Ethel M. Bryant in memory of their son, Raymond Keith Bryant, of the class of 1936, is awarded to that undergraduate who, in the opinion of a board of judges, gives the best single performance of the year in a Masquers' play.

Peter Brett Prentiss, '63

Economics

THE W. T. AKERS, JR. PRIZE of $50, provided by an annual gift from W. T. Akers, Jr., of the class of 1927, is awarded to that undergraduate who has, in the opinion of the economics department, written and submitted the best honors essay in economics.

James Alfred Guest, Jr., '62

THE HAMILTON PRIZE, established by his former students in memory of Professor Walton Hale Hamilton, distinguished member of the Department of Economics from 1915 to 1923, consisting of a collection of economics books, is awarded to that student other than a senior who ranks highest in the introductory economics course.

Ralph Lee Miller, '63

THE MERRILL CENTER PRIZE, a prize of $100 to be given to that member of the senior class who, in the opinion of the Economics Department, has written an honors thesis of distinction upon a subject related to capital formation and economic growth.

Brian Christaldi, '62

THE SYLVESTER AWARD, supported by an annual gift from Albert L. Sylvester of the class of 1924, goes to the junior majoring in economics, who has shown himself outstanding in his work in that Department while maintaining a worthy general average. If the recipient is already on the scholarship list, the award is $750; if not, the award is a prize of $100 and the remainder goes to Converse Library for the purchase of books in economics.

Alvin Keith Klevorick, '63

English

THE ACADEMY OF AMERICAN POETS PRIZE, of $100, made possible by a gift of Harry Woodbourne, is awarded annually for the best poem or group of poems, preferably on nature, submitted by an undergraduate.

STEVEN LURIA ABLON, '63

THE ARMSTRONG PRIZE, from the income of a fund of $2,500, established in part by Collin Armstrong of the class of 1877 in memory of his mother Miriam Collin Armstrong, awarded in the form of books to the value of $90 to members of the freshman class who excel in composition.

WILLIAM EDWARD SEQUIN, JR., '65

THE COLLIN ARMSTRONG POETRY PRIZE, from the income of a fund of $2,500, established in part by Mrs. Elizabeth H. Armstrong; $90 is awarded to the undergraduate author of the best original poem or group of poems.

ROBERT CAMPBELL FULTON, III, '62

THE CORBIN PRIZE, from the income of a bequest of $1000 established by the estate of William Lee Corbin of the Class of 1896; $70 is awarded for an outstanding original composition in the form of poetry or an informal essay.

JOSEPH VICTOR GLASS, '62

THE JOHN FRANKLIN GENUNG PRIZE, of $50, given each year anonymously in memory of Professor Genung, is awarded to that member of the junior or senior class who excels in prose composition.

SAMUEL RICHARD TODD, JR., '62

THE HARRY RICHMOND HUNTER, JR. PRIZE, from the income of a fund of $1,400, established by H. R. Hunter and Emma Louise Hunter in memory of their son, Harry Richmond Hunter, Jr. of the class of 1929; $50 is awarded to that member of the sophomore class who presents the best essay on a topic approved by the English department.

JOHN MALCOLM ORDERS, '64

THE PETER BURNETT HOWE PRIZE for excellence in prose fiction, established by a gift of Robert B. Howe of the class of 1930 in memory of his son Peter Burnett Howe '60. The prize is awarded to an undergraduate for excellence in prose fiction.

DEWITT PAWLING HENRY, '63

THE RALPH WALDO RICE PRIZE, from the income of a fund of $1,800, established by Mrs. Mary Rice Jenkins in memory of her brother, Ralph Waldo Rice, of the class of 1910; $125 is awarded for the best essay on

"The Liberal College and Christian Citizenship" or any other subject named by the Faculty.

ALLAN ROY PAULSON, '62

Fine Arts

THE ATHANASIOS DEMETRIOS SKOURAS PRIZE of $60 is given annually by an anonymous donor in the memory of Athanasios Demetrios Skouras, '36, who died in 1943 in Athens, Greece, as a result of Nazi reprisal killings. The prize is given to a student who in the opinion of the Fine Arts Department has created an outstanding work of art or architecture or to a student who, in the opinion of the Music Department, was pre-eminent in music composition or rendition of a music selection. Preference to be given in the fine arts.

DAVID ACKART NICHOLS, '62

Greek

THE WILLIAM C. COLLAR PRIZE, from the income of a fund of $1,300 established by the late William C. Collar of the class of 1859; $90 is awarded to the member of the freshman class who shall make on a written examination the best version in English of a previously unseen page from some Greek author.

PETER SIDNEY DEROW, '65

THE HUTCHINS PRIZE, from the income of a fund of $1,300, established by the late Waldo Hutchins of the class of 1842; $90 is awarded to an upperclassman for excellence in Greek. The scholarship is determined chiefly by the regular recitations and examinations of the department but special studies and examinations may also be required of the candidates.

Divided among:

ALDEN ADAMS MOSSHAMMER, '62
GEORGE SEBASTIAN ROUSSEAU, '62
ARTHUR GREGORY SLOBODIN, '62

THE HARRY DE FOREST SMITH SCHOLARSHIP is awarded to a member of the freshman class enrolled in one of the regular courses in the Department of Greek. The award is made on the basis of an examination given at the candidate's school in the March preceding his entrance to college. Students who have had either two or three years of Greek at School are eligible for this scholarship. The amount of the stipend is based on the financial need of the winner according to the regular scholarship procedures of the College. It is renewable after freshman year in accordance with the regular scholarship policy. In cases where there is no demonstrable financial need, the winner will receive an honorary $100 stipend for the first year.

PETER SIDNEY DEROW '65

Journalism

THE SAMUEL BOWLES PRIZE, from the income of a fund of $3,800 established by the late Samuel Bowles King, '02; to stimulate interest in journalism as a career, a prize of $250 is awarded to a student of the junior or senior class who has demonstrated proficiency in journalism. The income may be used from time to time for a scholarship or toward a lectureship.

Divided between:

Richard Hoover Lee, '63
Douglas Cook Wilson, '62

Latin

THE BERTRAM PRIZES, from the income of a fund of $2,400, established by the late John Bertram of Salem; two prizes of $100 and $60 each are awarded to those students who, together with attaining a high average in the Latin courses of the Senior Year, present the best essays on some approved topic connected with these courses.

First Prize

George Sebastian Rousseau, '62

Second Prize

Alden Adams Mosshammer, '62

THE BILLINGS PRIZES, from the income of a fund of $1,300, established by Frederick Billings in memory of Parmly Billings of the class of 1884; two prizes of $55 and $30 are awarded for general excellence in the Latin courses of the Sophomore Year together with the best essays on special topics connected with the authors read in that year.

First Prize

Christopher Wells Gay, '64

Second Prize

George Fleming Dardess, '64

THE CROWELL PRIZES, from a fund of $2,300 in memory of Edward Payson Crowell of the class of 1853; prizes of $55 and $30 are awarded for the highest scholarship in the freshman Latin courses; prizes of $55 and $30 are awarded to the students who, together with attaining a high average in the Latin courses of the Junior Year, present the best essays on some approved topic connected with the junior Latin course.

Freshman Award

First Prize

Stephen Bancroft, '65

Second Prize

Donald Thomas MacNaughton, '65

Junior Award

Christian Randolph vonRosenvinge, '63

Mathematics, Physics, and Astronomy

THE BASSETT PHYSICS PRIZES, from the income of a fund of $3,900 established by Preston Rogers Bassett of the class of 1913; two prizes up to $100 and $50 respectively may be awarded each year to those students who have distinguished themselves by the excellence and maturity of their performance in the class and laboratory work of the first course in Physics.

First Prize

Davison Eugene Soper, '65

Second Prize

Richard Taylor Freeman, '65

THE PORTER PRIZE, from the income of a fund of $600, established by the late Eleazer Porter of Hadley; a prize of $45 is awarded for proficiency in first year astronomy.

Gary Scott Benson, '64

THE WILLIAM WARREN STIFLER PRIZE, from the income of a fund of $1,000, created by the late Professor Stifler; $70 is awarded to a senior who has majored in physics and who is nominated by the teaching staff of the department for excellence in work in the courses of physics for the junior and senior years, with special weight in the course on electricity and magnetism.

James Louis Lehr, '62

THE WALKER PRIZES, from the income of a fund of $6,000, given by the late William J. Walker of Newport, Rhode Island; two prizes of $125 and $75 are awarded for proficiency in mathematics of the first year, and two prizes of $125 and $75 for proficiency in mathematics of the second year. In each case the award is determined by an examination.

First Year

First Prize

Davison Eugene Soper, '65

Second Prize

Fredric Davis Ancel, '65

Second Year

First Prize

Farzam Arbab, '64

Second Prize

Philip Brown Allen, '64

Music

THE ERIC EDWARD SUNDQUIST PRIZE, from the income of a fund established anonymously in memory of Eric Edward Sundquist of the class of 1936; $50 is awarded annually to that senior who has demonstrated excellence in musical composition and performance.

Divided between:

Robert Gordon Keith, '62
James Louis Lehr, '62

Philosophy and Religion

THE MOSELEY PRIZES, from the income of a fund of $7,500 established by the late Thomas W. H. Moseley of Hyde Park; two prizes of $340 and $170 are awarded to members of the senior class for the best essays on a subject approved by the Department of Philosophy and Religion.

First Prize

Douglas Cook Wilson, '62

Second Prize

Robert Daniel Hoeldtke, '62

Physical Education

THE SAWYER PRIZES, from the income of a fund of $1,900, established by the late Edmund H. Sawyer, hon. 1878; $130 is available for prizes for improvement in the department of Physical Education.

Senior Class

Luther Pirie Carpenter, '62

Sophomore Class

David Khalid Tannous, '64

Political Science

THE DENSMORE BERRY COLLINS PRIZE IN POLITICAL SCIENCE, of $50, given annually by Miss Margaret S. Densmore in memory of her nephew Densmore Berry Collins, of the class of 1940. The award will be made to the student submitting the best honors thesis in Political Science.

Saul Myer Yanofsky, '62

Public Speaking

THE BANCROFT PRIZES, of $280 and $145, from the income of a fund of $6,300 established by the late Frederic Bancroft of the class of 1882; awarded to the two members of the senior class who produce the best orations. Both composition and delivery are considered in making the awards.

First Prize
THEODORE BERYL SCHUKER, '62
Second Prize
Divided between:
JEFFREY ARNOLD GOTTLIEB, '62
RICHARD DAYTON PAULS, '62

THE BOND PRIZES, from the income of a fund of $2,300 established by the late Ephraim W. Bond of the class of 1841; $150 and $50 are awarded for the best productions spoken at the Senior Chapel service. The awards are determined by a committee appointed by the Trustees upon nomination by the Faculty.

First Prize
JEFFREY ARNOLD GOTTLIEB, '62
Second Prize
HENRY ALLEN FREEDMAN '62

THE GILBERT PRIZE of $100 from the income of a fund established by the late William O. Gilbert of the class of 1890 is awarded to a member of the junior class who produces the best oration. Both composition and delivery are considered in making the award.

KENT WILLIAM FAERBER, '63

THE HARDY PRIZES, from the income of a fund of $1,200, established by the late Alpheus Hardy of Boston; prizes of $55 and $30 are awarded for excellence in extemporaneous speaking.

First Prize
HENRY ALLEN FREEDMAN, '62
Second Prize
JEFFREY ARNOLD GOTTLIEB, '62

THE KELLOGG PRIZES, from part of the income of a fund of $54,500, established by the late Rufus B. Kellogg of the class of 1858; two prizes of $70 and $50 are awarded to members of the sophomore or freshman classes for excellence in declamation.

First Prize
HARVEY MAYNARD SHELDON, '64
Second Prize
THOMAS PRICE JACOBS, JR., '64

THE ROGERS PRIZE, from the income of a fund of $1,200, given by Noah C. Rogers of the class of 1880; $85 is awarded to a member of the junior class for excellence in debate.

Divided between:
KENNETH IRA GOTTLIEB, '63
DONALD GORDON QUINBY, '63

Scholarship and Citizenship

THE ADDISON BROWN SCHOLARSHIP, from the income of a fund of $6,100, established by the late Addison Brown of the class of 1852; $415 is awarded to that member of the senior class who, being already on the scholarship list, shall have attained the highest standing in the studies of the freshman, sophomore, and junior years.

Henry Allen Freedman, '62

THE SAMUEL WALLEY BROWN SCHOLARSHIP, from the income of a fund of $6,100, established by the late Samuel Walley Brown of the class of 1866; $415 is awarded to that member of the sophomore class who at the end of his sophomore year shall in the estimation of the Trustees rank highest in his class in character, class leadership, scholarship, and athletic ability.

John Phelps Warnock, '63

THE FRANK A. HOSMER SCHOLARSHIP, from the income of a fund of $15,000 established by Frank A. Hosmer of the class of 1875; $600 is awarded to that member of the sophomore class who, being already on the scholarship list, shall have attained the highest standing in the studies of the freshman year.

Joseph Eugene Stiglitz, '64

THE HOUSE MANAGEMENT COMMITTEE TROPHY is awarded each year after the end of the first semester to the sophomore delegation of a fraternity or social organization having the best scholastic record for the semester, judgment of the record to be based equally on comparative scholastic standing and on percentage of improvement as against the preceding semester.

1961–1962 Alpha Delta Phi

THE GORDON B. PERRY MEMORIAL AWARD, from the income of a fund of approximately $1,300, provides a trophy and cash prize of $85 to a freshman in good academic standing whose participation and attitude in freshman athletics and other activities are outstanding.

Wood Robertson Foster, Jr., '65

THE PORTER ADMISSION PRIZE, from the income of a fund of $1,200, established by the late Eleazer Porter of Hadley; $85 is awarded each year to the member of the entering freshman class who is judged to have the best general record on the College Board tests taken for admission to Amherst. The name of the successful candidate, together with that of his school, is published in the catalogue.

Richard Taylor Freeman, '65
Classical High School, Worcester, Massachusetts

THE PSI UPSILON PRIZE, from the income of a fund of approximately $5,200, established by the Gamma Chapter of Psi Upsilon in 1941 on the

occasion of the Centennial Anniversary of the founding of the Chapter; $300 is awarded to that member of the graduating class who, in the opinion of a committee consisting of the President of the College, the Dean, and the Chairman of the Department of Physical Education and Intercollegiate Athletics, is considered to be, in the terms of the Ancient Athenian oath,* the "first citizen" of the College.

JOHN ROCHE KIELY, '62

THE JOHN SUMNER RUNNELLS MEMORIAL, from the income of a fund of $6,100, established in memory of John Sumner Runnells of the class of 1865; $415 is awarded to that member of the sophomore class who shall in the opinion of the Trustees of the College be preëminent in his zeal for knowledge and industry to attain it.

GEORGE EDWARD PETERSON, '63

THE OBED FINCH SLINGERLAND MEMORIAL PRIZE, from the income of a fund of $11,000 established by an anonymous donor; $750 is awarded by the Trustees of the College to that member of the junior class, who, during his first three years at Amherst, has shown by his own determination and accomplishment the greatest appreciation of and desire for a college education.

BRUCE MOORE ELLIOTT, '62

THE SYLVESTER SCHOLARSHIP of $750 provided by an annual gift from Albert L. Sylvester of the Class of 1924, is awarded to a senior who, being already on the scholarship list, at the end of his junior year has combined most clearly outstanding success in extra-curricular activities, including athletics, with academic distinction in one or more fields.

JAMES PAGE APLINGTON, '62

THE STANLEY V. and CHARLES B. TRAVIS PRIZE, from the income of a fund of $2,400; established by the late Charles B. Travis of the class of 1864; $160 is awarded to that member of the graduating class who has made the most improvement as a man and as a scholar during his college course.

Divided between:

IRWIN ALLAN BUCHWALD, '62
DAVID LESLIE ELWELL, '62

* "I will not disgrace the soldier's arms, nor abandon the comrade who stands at my side; but whether alone or with many, I will fight to defend things sacred and profane. I will hand down my country not lessened, but larger and better than I have received it. I will accept readily and with understanding the verdicts of our judges, and I will obey the established laws and such other laws as the people may establish. If anyone shall attempt to overthrow the laws, I will not permit it, but whether alone or with many, I will fight to defend them; and I will honor the religion of our fathers. The gods attest this oath!"

THE TREADWAY INTERFRATERNITY SCHOLARSHIP TROPHY, a silver cup, given by Hon. Allen Treadway of the class of 1886, in memory of his son, Charles Denton Treadway, awarded to that fraternity or the group of all non-fraternity men which has attained the highest scholastic average during the previous academic year.

1961–1962

Phi Alpha Psi

THE TRUSTEE TROPHY is awarded each semester to the fraternity or social organization showing the greatest percentage of improvement academically during the previous semester.

1961–1962

First Semester—Phi Delta Sigma

Second Semester—Chi Phi

THE WOODS PRIZE, an annual gift of $75 in memory of the late Josiah B. Woods of Enfield, is awarded for outstanding excellence in culture and faithfulness to duty as a man and as a scholar—particular attention being given in any prominent case to improvement during the four years' course.

Divided between:

Irwin Allan Buchwald, '62

David Leslie Elwell, '62

Other Prizes

THE ROBERT E. BAUSER MEMORIAL AWARD of a twenty-five dollar United States savings bond (or its equivalent), is given at the close of every academic year to that member of the Senior Class who, in the opinion of the senior board of Radio Station WAMF, has been of the greatest service in the operation and development of the station, during his tenure as station member. This award is sustained in perpetuity of Amherst College by the Alpha Chi Chapter of Phi Gamma Delta in memory of its brother, Robert E. Bauser, '54.

Jonathan Reiskind, '62

THE ASHLEY MEMORIAL TROPHY, given by the Class of 1916 in memory of Thomas W. Ashley, '16, who was killed in action at Belleau Wood in 1918, is presented annually to the retiring member of the football team who, in the opinion of a committee consisting of the Coach, the Manager, and the Captain-elect, has best "played the game."

Steven Danforth Van Nort, '62

THE HOWARD HILL MOSSMAN TROPHY, awarded annually to the member of the senior class, who, in the opinion of a committee consisting of the President of the College, the Dean, the Chairman of the Department

of Physical Education and Intercollegiate Athletics, and the President of the Student Council, has brought, during his four years at Amherst, the greatest honor in athletics to his Alma Mater—the word "honor" to be interpreted as relating both to achievement and to sportsmanship.

FREDERICK LIVERMORE SAYLES, '62

THE PLIMPTON INTERFRATERNITY DEBATE TROPHY, given by Francis T. P. Plimpton, '22, awarded annually to the group which places first in the interfraternity debate tournament.

1961–1962

DELTA UPSILON

THE LINCOLN LOWELL RUSSELL PRIZE, from the income of a fund of $1,200 established by the late J. W. Russell, Jr. of the class of 1899 in memory of his son; $85 is awarded to that member of the graduating class who has done most to foster the singing spirit in Amherst College.

JOHN WILLIAM MCDERMOTT, JR., '62

Degrees Conferred November 11, 1961

BACHELOR OF ARTS

Rite

Murat Nemet-Nejat
David Mellor Ring
Peter Leslie Rogers

Degrees Conferred April 28, 1962

BACHELOR OF ARTS

Cum laude

Roger Frazier Cox
English

Rite

Douglas Charles Boenau
Richard Glover Broughton
Martin Eric Lowy
John Bentley Neal

Degrees Conferred June 17, 1962

BACHELOR OF ARTS

Magna cum laude

Laurence Holland Beck
Biology
Richard Jeffrey Braemer
Economics
Gordon Goodhue Brittan, Jr.
Philosophy
Irwin Allan Buchwald
Biology
Reid Peyton Chambers
Political Science
Henry Allen Freedman
Political Science
Edward Joseph Goetzl
Biology
Jeffrey Arnold Gottlieb
Biology
James Alfred Guest, Jr.
Economics
Jeffrey David Gutcheon
English
Robert Gordon Keith
History
James Allan Krick
Biology
James Louis Lehr
Physics
Jay Edward Mittenthal
Biophysics
Alden Adams Mosshammer
Classics & Philosophy
Dean Allen Paxson
Philosophy
Stewart Samuel Richmond
Biology
Jerold Michael Rothstein
Philosophy

George Sebastian Rousseau
Classics
Richard Siegler
Economics
George Reinhold Tappert
Mathematics
James Ralph Wiener
Economics

Cum laude

Donald Bradshaw Adams
Economics
Roger Ellis Alcaly
Economics
James DeWolfe Allen
American Studies
James Page Aplington
Chemistry
Howard Hunter Barney
Physics
Peter Heacock Bellows
Economics
Howard Stephen Berger
Biology
Morton Henry Berman
American Studies
George Randolph Bevis
Philosophy
David King Blood
Biophysics
Joseph Jay Brecher
History
Philipp Ludwig Brockington, Jr.
English
Peter Ogden Brown
History
Luther Pirie Carpenter
History
Brian Christaldi
Economics
Charles Benjamin Cohler
History
Robert Stansfield Cook, Jr.
Political Science
John Alan Dickey
Chemistry
Michael David Ditzian
American Studies
John Sauge Duryee
Psychology
David Leslie Elwell
Physics
Jeffrey Michael Epstein
History
Bruce Edward Farnum
English
Henry George Fieger, Jr.
Biology
Gerald Ralph Fink
Biology
Burton David Fretz
History
David Edward Friedrich
History
Robert Campbell Fulton, III
English
Richard Gardiner
Biology
James Bernhard Gould
Economics
Thomas Terry Hanford
Economics
Robert Dale Harbison
English
Stephen Denison Hauschka
Biology
John Thompson Hayes
Biology
George Kenneth Heebner
Economics
Peter Radcliffe Jones
Fine Arts
Paul Elias Kaplan
Biology
John Roche Kiely, III
Physics
Jay Lawrence Kriegel
English
Howard Barry Krone
Economics

Robert Donald Wike Landon, II
English
David Kann Lelewer
American Studies
Philip Howard Lilienthal
Political Science
Thorburn Jackson McGowan
Economics
Charles Joseph Marsden
Economics
Robert Joseph Mignone
Psychology
Roger Edmund Montgomery
History
Craig Humphrey Morgan
Economics
George Nicholas Nichols
Political Science
Sidney Bailey Parsons
Astronomy
Richard Dayton Pauls
Economics
Allan Roy Paulson
English
David Rhoads Perera
Biology
Stephen Rothschild Pflaum
Political Science
Marc Alfred Pohl
American Studies
Michael Larry Randall
Economics
Jonathan Reiskind
Biology
Jonathan Philip Rice
History
David Lee Roll
Economics
Peter Norman Rosenthal
Biophysics
Edward Barry Sadin
Biology
Lewis Howard Sayers
Economics
Frederick Livermore Sayles
Geology
Andre A. Schwartz
Philosophy
Steven Charles Shepley
French
Peter Lewis Sill
Philosophy-Political Science
John Evan Simpson
Philosophy
Stephen Lee Skillman
Philosophy
Harold Jeffrey Smith
English
Foster Ashe Stewart
English
Glenn Alexander Stewart
Physics
William George Tapply
American Studies
Campbell Tatham
English
Peter Read Teachout
English
Samuel Richard Todd, Jr.
English
Joseph Jackson Walter
American Studies
John Arthur Ward, Jr.
History
William Harvey Webster, III
American Studies
Lawrence Weiss
American Studies
Porter King Wheeler
Economics
Andrew Russell Willing
Political Science
Douglas Cook Wilson
History
John Price Witwer
Biology
David Stephen Wolff
American Studies
Thomas Edwin Woodhouse
Political Science

Fred Lowe Woodworth
Economics

Saul Myer Yanofsky
Political Science

Rite

Paul Albert Abodeely
Robert Williams Anthony
David Holt Arbuthnot
Ralph Ernest Ardiff, Jr.
Kuniaki Asomura
Alexander Edward Barnes
Timothy Earl Barnes
Jan Edgar Beyea
William Eugene Biddle, III
Anthony Dias Blue
Warren Clifford Boeschenstein
Robert Eznick Bogosian
David Kent Braun
Peter Allan Broadbent
Courtney Stager Bryant
Jeffery Edward Buck
George Walter Carmany,III
Christopher Jenns Carpenter
Hugh Ross Chace, Jr.
Joel Louis Chadys
Barkley Clark
Charles Kilburn Clark
James Sanford Clinton
Justin Caulfield Cordonnier
Anthony Ralph Cotignola
Bruce Albert Cronnell
Robert Bruce Cuthbertson
Alan Kenneth Deaett
Frank Secor Dickerson, III
Michael Henry Diem
James Francis Dunphy
Peter Lane Duryea
Robert Lee Duvall, Jr.
Jack LeRoy Easterling
Philip Russell Elia
Bruce Moore Elliott
Michael Hamilton Ellsworth
Bruce Haselton Evans
Timothy Banks Evers
Gilbert Alan Fields
Joseph Wood Freeman, Jr.
William LeClair Freeman
Rand William Gesing
Joseph Victor Glass
Jeffrey Elias Glen
Charles Chasins Gordon
Edwin Charles Hahn, III
John Arbenz Hazlett
Dean J. Heitler
Don A. Heitler
Arthur Paul Heller
Stephen Peter Hersh
Robert Daniel Hoeldtke
Arthur Hooton, Jr.
William Junia Hudspeth, Jr.
Edward Francis Xavier Hughes
William Sherman Jardine
Edward Theodore Johnson, II
Henry Warren Jones, Jr.
Joel Max Kabatznick
Ira Norman Kirschenbaum
Theodore Robert Kolman
Richard Landfield
David McKinnon Lawrence
Rice Cowan Leach
Jay Stauffer Lehman
William Lewis Leland
John Manwell Lewis
Herbert Benzinger Lindsley
Jamada Luzinda
Dudley Emerson Lyons
John William McDermott, Jr.
Douglas Reynolds McGeorge
Robert Lee Mahar
George Dwire Marshall
Benjamin Allen Mason
Ralph Eugene Meyrowitz
Phillip Nicholas Miani
Lawrence Hiroshi Miike
John Pancoast Moorhouse, Jr.
Patrick Nicholas Mullane
David Ackart Nichols
Anthony Stuart Niskanen
Robert Leon Nixon

Richard Recher Nugent
Martin Olanoff
Kevin James O'Mara
Mark Joel Oppenheim
David Tulio Pagnini
Mark Weisler Pasmantier
Lee Alfred Perlman
Jeremy Frederick Perlmutter
Richard Clark Peterson
William Nixon Prigge
James William Rieckhoff
Bryant Robey
Alfred Mitchell Sadler, Jr.
Blair Leamer Sadler
Theodore Beryl Schuker
David Joel Schultz
Tony Scolnick
Jonathan Fletcher Scott
Michael Francis Sheridan
Paul Jay Sherwood
James Jay Shrager
David Nevin Smith, Jr.
George Henry Spencer, Jr.
Warren Charles Stearns
Paul Michael Steinle
Charles Danner Stender
William Alfred Stoever
Intis Vanags
Merrill Van De Graaff
Steven Danforth Van Nort
Wilmer Michael Weber
Joseph Thomas West, Jr.
Lewis Richard Whitehead, Jr.
Thomas Anthony Wolf

MASTER OF ARTS

Elizabeth Rose Rice

Honorary Degrees Conferred September 24, 1961

MASTER OF ARTS

Joseph Epstein
Charles Ensign Rogers
Steven Martin Rostas

June 17, 1962

MASTER OF ARTS

Winthrop Saltonstall Dakin
William Schoolfield Sartorius, 1932

DOCTOR OF HUMANE LETTERS

Philip Hall Coombs, 1937
Myron Piper Gilmore, 1932

DOCTOR OF DIVINITY

Rt. Rev. Robert Lionne DeWitt, 1937

DOCTOR OF LAWS

Albert Charles Jacobs
Hollis Freeman Price, 1927
Dean Rusk

Medal for Eminent Service Awarded June 17, 1962

James MacArthur Selby, 1937

IV

Enrollment

Enrollment

FALL SEMESTER

1962–1963

Graduate Students

Bock, Frederick S.	*Torrington, Conn.*
Diaz, Gonzalo G.	*Cali, Colombia*
Gordon, Kurtiss J.	*Bayonne, N. J.*
Goss, Thomas L.	*Tucson, Arizona*
Guthrie, Daniel A.	*Amherst, Mass.*
Gutierrez, Edmundo	*Cali, Colombia*
Hersh, Stephen P.	*New York, N. Y.*
King, Nicholas S. P.	*Los Alamos, New Mexico*
Wood, Roger C.	*Amherst, Mass.*
Woods, Lauren K., III	*Northampton, Mass.*
Zahradnik, John W.	*Amherst, Mass.*

Seniors—*Class of 1963*

Ablon, Steven Luria	*New York, N. Y.*
Adams, Douglas Neale	*Jacksonville, Fla.*
Adler, Stephen Charles	*Gouverneur, N. Y.*
Afton, John Laun	*Palo Alto, California*
Amend, William John Conrad, Jr.	*Wilmington, Del.*
Anderson, Carl Edward, Jr.	*Canton, Ohio*
Andrews, James Einar	*St. Paul, Minn.*
Aplington, Robert Kumpf	*Columbus, Ohio*
Arkin, Stephen Elias	*Brooklyn, N. Y.*
Arling, Gary Lester	*Joliet, Ill.*
Aurand, Benjamin Kyte	*Des Moines, Iowa*
Austin, Stephen Mark	*Long Beach, N. Y.*
Barnett, Peter MacDowell	*Williamstown, Mass.*
Barre, Jean-Claude	*Rouen, France*
Bartolomei, Roy L.	*Massapequa, N. Y.*
Bateman, George Rotan	*Houston, Texas*
Batman, William Everett	*Rye, N. Y.*
Becker, Lawrence Wilfred	*West Berne, N. Y.*
Bergmann, Johannes Dietrich	*New Haven, Conn.*
Bergner, Alfred Paul	*New York, N. Y.*
Bernstein, Alan Saul	*Chevy Chase, Md.*
Best, Frank Valentine, Jr.	*Weston, Mass.*
Bird, James Cooper	*Baltimore, Md.*
Blanchard, Wyland Leadbetter	*Rochester, N. Y.*
Blom, John Joseph	*Malverne, N. Y.*
Boesel, Frank Tilden	*Milwaukee, Wis.*

Bond, David Crocker	*Norwell, Mass.*
Bosworth, Robinson, III	*Milwaukee, Wis.*
Bowden, Alan Bruce	*Pittsburgh, Pa.*
Bragg, Franklin Everett, II	*Bangor, Maine*
Brainard, Richard Holston	*Schenectady, N. Y.*
Brainerd, Alexander Lamb	*Menlo Park, Calif.*
Brookes, Gerry Harding	*Augusta, Maine*
Brumm, Gregg Edward	*St. Louis, Mo.*
Bryant, Stephen Palmer	*Cheshire, Conn.*
Buckley, Neill Kerry	*Wallingford, Conn.*
Burns, Walter Xavier	*Cos Cob, Conn.*
Caldwell, John Dean	*Santa Barbara, Calif.*
Carpenter, Gordon Ambler	*Woonsocket, R. I.*
Carter, Joseph Coleman, Jr.	*Elmhurst, Ill.*
Chizawa, Haruhiko	*Tokyo, Japan*
Cisney, William Curran	*Racine, Wis.*
Clapham, Wentworth Beggs, Jr.	*Chappaqua, N. Y.*
Clark, Daniel Cooper	*Grafton, Mass.*
Clark, Peter Frank	*Rochester, N. Y.*
Clauson, James Wilson, Jr.	*Montclair, N. J.*
Cohen, Jerome	*San Francisco, Calif.*
Colton, Donald Stevens	*Hanover, N. H.*
Conger, Seymour Beach, III	*Pleasantville, N. Y.*
Crampton, John Philip	*San Mateo, Calif.*
Crosby, Richard Wheeler	*Helena, Ala.*
Cushman, Louis Blauvelt	*Montclair, N. J.*
Daniel, Alan	*New York, N. Y.*
Danzis, Alan Lee	*Elizabeth, N. J.*
Davidson, Richard Bartlett	*New Canaan, Conn.*
Davis, William Alexander, Jr.	*New York, N. Y.*
Derr, John Sebring	*Waban, Mass.*
Detterick, John Judd	*Las Vegas, N. Mex.*
Diehl, Thomas Richard	*Manheim, Pa.*
Dobson, Peter Raymond	*Great Neck, N. Y.*
Dorner, Douglas Bloom	*Des Moines, Iowa*
Dramin, Edward Irwin	*Springfield, Mass.*
Drexler, Robert Daniel	*Cedar Rapids, Iowa*
Drumm, Bernhardt Charles, Jr.	*St. Louis, Mo.*
Dubinsky, Henry William	*St. Louis, Mo.*
Dybikowski, James Chester	*South Hadley Falls, Mass.*
Eiteljorg, Harrison, II	*Coral Gables, Fla.*
Erickson, Carl David	*Pasadena, Calif.*
Faerber, Kent William	*St. Louis, Mo.*
Flint, Paul Harry, Jr.	*Medford, Mass.*
Fobes, Walter Stewart	*White Bear Lake, Minn.*
Forgie, George Barnard	*Bala-Cynwyd, Pa.*

Franklin, John Weed, Jr.	*Darien, Conn.*
Freeland, Richard Middleton	*Mountain Lakes, N. J.*
Fried, Richard Mayer	*Milwaukee, Wis.*
Garton, David, Jr.	*Sheboygan, Wis.*
Gasarch, Mark	*Harrison, N. Y.*
Gerdine, Peter Coddington	*Dallas, Texas*
German, Richard Hubbard	*Middletown, Conn.*
Gibbs, Leon Buster	*Middletown, Conn.*
Gliedman, Anthony Bruce	*Brooklyn, N. Y.*
Goldberg, Robert Michael	*Washington, D. C.*
Gossett, Philip Edward	*Forest Hills, N. Y.*
Gottlieb, Kenneth Ira	*Brooklyn, N. Y.*
Grant, Stephen Hall	*Wellesley, Mass.*
Green, James Howard	*Wilmette, Ill.*
Greene, Andrew Frank	*Chestnut Hill, Mass.*
Greene, Edward Frank	*West Hartford, Conn.*
Gregory, Brooke	*Wayland, Mass.*
Griffiths, Edwin Stephen	*Salem, Ohio*
Griggs, David Norman	*Claremont, Calif.*
Grose, Peter Lewis	*Great Neck, N. Y.*
Haggerty, Peter Edward	*Whitinsville, Mass.*
Hallam, Mark Frederick, Jr.	*Nutley, N. J.*
Hanna, Ralph, III	*Austin, Texas*
Hawley, John Stratton	*Louisville, Ky.*
Hay, John Melvin	*Kirkwood, Mo.*
Hemenway, Peter	*Flossmoor, Ill.*
Henningsen, Philip Roseman	*Milwaukee, Wis.*
Henry, DeWitt Pawling	*St. Davids, Pa.*
Henry, Lowell Albert, Jr.	*Cleveland, Ohio*
Herzog, Alfred	*Chalfont, Pa.*
Holmes, David Alan	*Wilmington, Del.*
Holmes, Robert Henry	*Denver, Colo.*
Holt, Wythe Whiting, Jr.	*Hampton, Va.*
Houghtlin, Charles Benjamin	*Evanston, Ill.*
Howes, Robert Ingersoll, Jr.	*Santa Fe, N. M.*
Huey, Burkett Wakefield, Jr.	*West Hartford, Conn.*
Israel, Daniel Harris	*Moylan, Pa.*
Jacobson, Lewis Arthur	*Brooklyn, N. Y.*
Johnson, Malcolm Pratt	*Hamden, Conn.*
Jones, Clergue	*New York, N. Y.*
Keith, Robert Emerson, Jr.	*Ardmore, Pa.*
Kerns, Peter Jared	*North Plainfield, N. J.*
Kersten, Thomas Erwin	*Anaheim, Calif.*
King, Nan	*Washington, D. C.*
Kissam, Philip Charles	*Greenlawn, N. Y.*
Klevorick, Alvin Keith	*Rego Park, N. Y.*

Kraus, Charles Jungenfeld	*St. Louis, Mo.*
Lahm, David Field	*New York, N. Y.*
Langford, Stephen Arthur	*Washington, D. C.*
Lanning, Jerome Knox	*Birmingham, Ala.*
Larrabee, William Henry, IV	*Watertown, N. Y.*
Laux, Michael Andrew	*New York, N. Y.*
Leader, Andrew Michael	*Brooklyn, N. Y.*
Lee, Richard Hoover	*White Plains, N. Y.*
Lee, William Martens	*Yorktown Heights, N. Y.*
Lees, Andrew	*Newton Centre, Mass.*
Lefferts, Peter Albert	*Dundalk, Md.*
Lewis, Kenneth Arthur	*Ardmore, Pa.*
Lewis, Stephen Evarts	*Minneapolis, Minn.*
Lipschutz, Daniel Ephraim	*Detroit, Mich.*
Lombardo, Stephen Joseph	*Pawtucket, R. I.*
Lord, John Garvin, Jr	*Swarthmore, Pa.*
Louis, John Carpenter	*Harlan, Iowa*
McCashin, Frederick Bedford	*Pluckemin, N. J.*
McLeod, Dugald Carlton, Jr.	*Snyder, N. Y.*
Mackenzie, Alan Eno	*Northampton, Mass.*
Manwell, Thomas Henry	*Hudson, Ohio*
Maples, Frederic Arthur, Jr.	*Nogales, Ariz.*
Marritt, Emanuel	*Brooklyn, N. Y.*
Massey, Robert Keiser, Jr.	*Holden, Mass.*
Mayer, Jeffrey Lorence	*Teaneck, N. J.*
Meneely, Henry Tucker, Jr.	*Annapolis, Md.*
Mervis, Charles Louis	*Oak Park, Ill.*
Messitte, Peter Jo	*Bethesda, Md.*
Meyerson, Mark Eric	*Roslyn, N. Y.*
Michel, Arthur Greene	*Chicago, Ill.*
Miller, John Holmes	*Portola Valley, Calif.*
Miller, Ralph Lee	*Glencoe, Ill.*
Nadel, William Roberts	*Irvington, N. J.*
Nash, John Thomas	*Wilmington, Del.*
Neill, Jeffrey Piersol	*Belleville, Ill.*
Newmann, John Michael	*Highland Park, Ill.*
Nickerson, Jeffrey Roger	*Woodbridge, Conn.*
Northrop, Charles Porter	*Rochester, N. Y.*
Northup, John David, Jr.	*Toledo, Ohio*
Oliver, Herbert Allan	*Denver, Colo.*
Osborn, Lawrence William	*Shaker Heights, Ohio*
Packel, Edward Wesler	*Merion Station, Pa.*
Paine, Caleb Lawrence	*Schenectady, N. Y.*
Parker, Stephen Leonard	*New York, N. Y.*
Peck, Edwin Cady, Jr.	*Eden, N. Y.*
Perkins, William Eliab	*Bronxville, N. Y.*

Perry, David Lewis	*Dedham, Mass.*
Peterson, George Edward	*Ithaca, N. Y.*
Phelps, William Sabin	*Westfield, N. J.*
Pingel, John Spencer, Jr.	*Grosse Pointe Woods, Mich.*
Pliske, Thomas Edward	*Ann Arbor, Mich.*
Pochoda, Daniel Joseph	*New York, N. Y.*
Poole, Frank Harper	*Union, N. J.*
Powell, Benjamin Neff	*Sewickley, Pa.*
Prentiss, Peter Brett	*Hudson, Ohio*
Price, Hugh Bernard	*Washington, D. C.*
Quaglia, David Louis	*Braintree, Mass.*
Quigley, John Leslie, Jr.	*Rochester, N. Y.*
Quinby, Donald Gordon	*Roslyn Heights, N. Y.*
Randell, Ralph Gilbert	*Jamestown, N. Y.*
Reis, Randall Sicard	*Old Greenwich, Conn.*
Reynolds, Craig James	*Port Washington, L. I., N. Y.*
Riall, David Charles	*Danbury, Conn.*
Rodefer, Stephen James	*Bellaire, Ohio*
Rodgers, Frederic Barker	*Slingerlands, N. Y.*
Rohde, Jon Eliot	*Barrington, R. I.*
Rohrbaugh, Lewis Bunker	*Rockport, Me.*
Rosenblum, Gerald Stephen	*New Hyde Park, N. Y.*
Rosenbush, Robert Avrum	*Brooklyn, N. Y.*
Ross, Robert Reed Newberry	*Fair Haven, N. J.*
Ruhl, Patrick Gregg	*Davenport, Iowa*
Sabetta, John Carl	*Brooklyn, N. Y.*
Salkever, Stephen G.	*New Paltz, N. Y.*
Sargent, Gary Nyflot	*New York, N. Y.*
Saxbe, William Bart, Jr.	*Mechanicsburg, Ohio*
Shearwood, James Raymond	*Norwalk, Conn.*
Sheatsley, William Daniel	*Columbus, Ohio*
Shibuya, Akihiko	*Kyoto, Japan*
Short, Alexander Campbell	*Alexandria, Va.*
Shull, Peter	*Seymour, Conn.*
Siegel, Alexander Winston	*Summit, N. J.*
Silberg, Jay Eliot	*Weehawken, N. J.*
Silver, David Jay	*Bristol, Conn.*
Singer, Richard Gus	*Washington, D. C.*
Solomon, Michael Bruce	*Brooklyn, N. Y.*
Sommers, Charles William, Jr.	*Cliffside Park, N. J.*
Stine, Patrick Hervey	*Flint, Mich.*
Stine, Peter John	*Flint, Mich.*
Strong, William Chester	*Merion Station, Pa.*
Swartz, George Allen	*Denver, Colo.*
Switky, Frederick David	*Plainfield, N. J.*
Synnott, Burton John	*Darien, Conn.*

Tanaka, Tsutomu	*Tsuruoka, Japan*
Tarpy, Roger Maynard, Jr.	*West Hartford, Conn.*
Tashjian, James Edward	*Westboro, Mass.*
Terdiman, Richard	*Larchmont, N. Y.*
Thompson, Bruce Roger	*Danville, Calif.*
Thornburgh, James Thomas	*Chardon, Ohio*
Thorp, Almus Morse, Jr.	*Gambier, Ohio*
Truman, Edwin Malcolm	*New York, N. Y.*
vonRosenvinge, Christian Randolph	*Rockport, Mass.*
vonRosenvinge, Tycho Tor	*Rockport, Mass.*
Wales, Stephen Quincy	*Cohasset, Mass.*
Wanner, Harry Eric	*Chadds Ford, Pa.*
Warnock, John Phelps	*Tucson, Ariz.*
Warren, Alexander McDowell	*Sharon, Pa.*
Wasby, Roger Allan	*Belmont, Mass.*
Weil, John David	*St. Louis, Mo.*
Weisberger, Edward Joseph	*Scarsdale, N. Y.*
Wells, Stuart Wilder, III	*Wayzata, Minn.*
West, Burton Carey	*Pittsburgh, Pa.*
Westerbeck, Colin Leslie, Jr.	*Richmond Heights, Mo.*
White, George Edward	*Roslyn Estates, N. Y.*
Wielandy, Frank Landon	*St. Louis, Mo.*
Willius, Daniel Jeremy	*St. Paul, Minn.*
Wilson, Noel Sydney	*Langhorne, Pa.*
Wood, William Augustus	*Washingtonville, N. Y.*
Woodland, Thomas Jefferson	*Scranton, Pa.*
Wyler, Geoffrey David	*Lakewood, N. J.*
Wyman, John Cragin	*Amherst, Mass.*
Wynne, Winston Wiley, Jr.	*Coral Gables, Fla.*
Zaidi, Syed Ahmed Raza	*Aligarh, India*
Zuckerman, Thomas Matlock	*Stockton, Calif.*

JUNIORS—*Class of 1964*

Albani, Thomas Joseph	*Hartford, Conn.*
Allen, Philip Brown	*Newton Centre, Mass.*
Allison, Michael Dennis	*South Miami, Fla.*
Andrews, Charles Slade	*Middlebury, Vt.*
Angney, David Haughey	*Wellesley Hills, Mass.*
Arbab, Farzam	*Tehran, Iran*
Avery, Henry Bryant	*Charlemont, Mass.*
Baker, James Newton	*Coos Bay, Ore.*
Barasch, Stephen Harry	*Freeport, N. Y.*
Barth, Richard Allen	*New York, N. Y.*
Battocchi, Raymond Donald	*Hartford, Conn.*
Beacco, John Albert, Jr.	*Stockbridge, Mass.*
Beckford, James Palmer	*Westboro, Mass.*

Benedetti, Robert Reed	*Palo Alto, Calif.*
Benner, Richard Stanwood, II	*Marblehead, Mass.*
Benson, Gary Scott	*Holbrook, Ariz.*
Bicknell, Neil Clement	*Middlebury, Vt.*
Boyer, John Frederick	*Evanston, Ill.*
Bradley, Lee Richards	*Weston, Conn.*
Bray, Douglas Bruce	*Irvington, N. J.*
Brill, Jesse Miles	*New York, N. Y.*
Brokaw, John Barry	*Chevy Chase, Md.*
Bunting, David Gardner	*Bryn Mawr, Pa.*
Burkhardt, Andrew Blaine, Jr.	*Marshfield Hills, Mass.*
Burnett, George Brinton, III	*Walpole, Mass.*
Burns, David Dean	*Phoenix, Ariz.*
Chalfin, Edward Roger	*Brookline, Mass.*
Chisholm, Arthur Roland, Jr.	*Mohegan, R. I.*
Choi, Cholly	*Seoul, Korea*
Cohen, Edwin Carlin	*Scarsdale, N. Y.*
Collins, Bradford Ray, Jr.	*West Springfield, Mass.*
Cooper, Russell John, III	*Essex Fells, N. J.*
Court, John Christian	*Detroit, Mich.*
Croze, Harvey Jerome	*Bloomfield Hills, Mich.*
Crutchfield, John Randolph	*Gladstone, N. J.*
Dardess, George Fleming	*Chatham, N. Y.*
Deem, Clark Wheeler	*St. Louis, Mo.*
Deisroth, Thomas Frederick	*Sugarloaf, Pa.*
DeLeon, Patrick Henry	*Waterbury, Conn.*
deRiszner, George C.	*Yonkers, N. Y.*
Devere, Dennis Guild	*Scarsdale, N. Y.*
Devir, Richard Patrick	*Verplanck, N. Y.*
DeWitt, Laurence Barrett	*Farmington, Mich.*
Donaldson, William Richard	*Mountain Lakes, N. J.*
Donham, James Broadman	*Upton, Mass.*
Downs, Stephen Fosdick	*Bronxville, N. Y.*
Drotter, Stephen John, Jr.	*North Adams, Mass.*
Dubin, Mark William	*Bergenfield, N. J.*
Dunn, Michael Winfield	*North Amherst, Mass.*
Easton, Peter Abbott	*Glen Ridge, N. J.*
Ellen, Stephenson Davis	*Towson, Md.*
Emert, John Paul	*Chatham, N. J.*
Emigh, John Stewart	*Windsor, Conn.*
Farver, Albert Steele, Jr.	*Cambridge, Md.*
Feldman, Scott Milton	*Roslyn Heights, N. Y.*
Fitzgerald, Richard John, Jr.	*Malvern, Pa.*
Frank, Robert Edward	*Arlington, Va.*
Frankel, Steven Alfred	*Bronxville, N. Y.*
Freyman, Jay Michael	*Norristown, Pa.*

Furtwangler, Albert Joseph	*Seattle, Wash.*
Garni, Kenneth Fyfe	*Lima, Peru*
Gawthrop, Robert Smith, III	*West Chester, Pa.*
Gay, Christopher Wells	*Detroit, Mich.*
Georgopoulos, Constantine Panos	*Athens, Greece*
Gerhard, James Gillies	*Pontiac, Mich.*
German, James Clifford, Jr.	*Jenkintown, Pa.*
Gibbons, Mark Leigh	*Marion, Mass.*
Gibbs, Charles Kenneth, Jr.	*Mount Holly, N. J.*
Giles, James Tyrone	*Lynchburg, Va.*
Gormley, Thomas Joseph	*Hartford, Conn.*
Greene, Bancroft Farrar	*West Hartford, Conn.*
Groetzinger, Norman James	*Baltimore, Md.*
Guilbert, Thomas Grattan Parker	*New York, N. Y.*
Guthrie, Robert Ward	*Encino, Calif.*
Hall, David Arnold	*Cranford, N. J.*
Hall, Jeffrey Lyman	*New Canaan, Conn.*
Harris, Edward Wesley, II	*Indianapolis, Ind.*
Hauschka, Peter Voorhees	*Buffalo, N. Y.*
Hawk, Alan Brainard	*Pittsburgh, Pa.*
Hayden, John Dodds	*Grosse Pointe Farms, Mich.*
Hebbel, Carroll Russell	*Baltimore, Md.*
Henshaw, Arthur Clement	*Hamilton, N. Y.*
Hetsko, Cyril Michael	*Ridgewood, N. J.*
Hirschberg, Roger Stanley	*Rochester, N. Y.*
Horsfall, Frank Lappin, III	*Mahopac, N. Y.*
Houston, Alan Fraser	*Medford, Mass.*
Hoyt, Creig Simmons	*Pittsburgh, Pa.*
Hume, Russell James	*West Burlington, N. Y.*
Humphreys, Richard Stephen	*Hutchinson, Kan.*
Jacobs, Thomas Price, Jr.	*Larchmont, N. Y.*
Johnson, Stuart MacLean	*Ladue, Mo.*
Jones, Howard Wilbur, III	*Baltimore, Md.*
Joslin, Richard Arthur	*Fair Lawn, N. J.*
Julavits, William Francis	*West Hartford, Conn.*
Keene, John Macauley, III	*Morristown, N. J.*
Keffer, John Young	*Titusville, N. J.*
Keith, Cary Lee	*Brockton, Mass.*
Keith, Philip Myron	*Merion, Pa.*
Kiss, Stephen Howard	*Mamaroneck, N. Y.*
Klancnik, James Michael	*Park Ridge, Ill.*
Klebanow, James Elliot	*Mount Vernon, N. Y.*
Kleinman, Peter Donald	*Great Neck, N. Y.*
Knight, Harry William, Jr.	*Darien, Conn.*
Knox, Robert Arthur	*Basking Ridge, N. J.*
Kocsis, James Howard	*Harwinton, Conn.*

Kraai, Frederick Charles	*Fairport, N. Y.*
Krughoff, Robert Merrill	*White Plains, N. Y.*
Kubota, Minoru	*Yokohama, Japan*
Kulesza, Kenneth Henry	*Hatfield, Mass.*
Lake, Fredric David, Jr.	*Evanston, Ill.*
Lambert, Samuel Cary	*Buffalo, N. Y.*
Lane, Howard Bishop, Jr.	*Keene, N. H.*
Lanning, Ernest Smith, III	*Clark, N. J.*
Leavitt, Richard Norman	*Manchester, N. H.*
Lecky, John Halton	*Wilmington, Del.*
Leibowitz, Robert Daniel	*Richmond Hill, N. Y.*
Leidich, James Allen	*Huntingdon Valley, Pa.*
Lesser, David Matthew	*Washington, D. C.*
Levine, Carl Fredric	*Brooklyn, N. Y.*
Levine, Jack John	*Philadelphia, Pa.*
Lewis, Charles Ashby	*Loudonville, N. Y.*
Lewis, David Kenneth	*North Dartmouth, Mass.*
Lewis, William Jackson, II	*Harlan, Iowa*
Loebel, Tod Richard	*Andover, Mass.*
Lombardi, Donald Paul	*Huntington, N. Y.*
Lundwall, Lawrence Kirk	*Gardner, Mass.*
Lyon, Bret Stephen	*Jamaica, N. Y.*
McDougall, Dugald George	*Wilmette, Ill.*
McFarland, John Whitcomb	*Burlingame, Calif.*
McWhorter, Steven Ford	*Omaha, Neb.*
Mackay, Donald Reid	*Pittsburgh, Pa.*
Malinowski, Edward Joseph	*Hatfield, Mass.*
Mannal, Richard Knoll	*Strafford, Pa.*
Manning, Leonard Reuben	*North Franklin, Conn.*
Manuelian, Peter Martin	*New York, N. Y.*
Mason, Appleton Adams, III	*Lake Forest, Ill.*
Meharg, John George, Jr.	*Wyomissing, Pa..*
Meisner, Mitchell Ralph	*Bethesda, Md.*
Miller, Joel Morton	*Scranton, Pa.*
Miller, Samuel Detwiler, III	*Norristown, Pa.*
Mills, Roger Marion, Jr.	*Alliance, Ohio*
Miner, James Selden, II	*Owosso, Mich.*
Mintz, Jerome	*Park Forest, Ill.*
Moon, Frederick Franklin, III	*New York, N. Y.*
Moran, Joseph John	*Hartford, Conn.*
Morenus, George Mason	*Homer, N. Y.*
Morrison, William Robert	*Jamaica, N. Y.*
Morton, Thomas Throck, Jr.	*Mamaroneck, N. Y.*
Muller, Richard Loveless	*Bedford, N. Y.*
Nahl, Michael Connor	*Evanston, Ill.*
Nelson, Theodore Coburn, Jr.	*Natick, Mass.*

Newell, Norman David	*Amherst, Mass.*
Newsom, Michael deHaven	*Chicago, Ill.*
North, John Arthur	*Somerville, N. J.*
Northrop, Jere	*Westfield, N. Y.*
Nwaogugu, Aloysius Chukwuemeka	*Port Harcourt, Nigeria*
Offner, Paul Philip Nathaniel	*New Rochelle, N. Y.*
Olinger, Gordon Nordell	*West Hartford, Conn.*
Orders, John Malcolm	*Montclair, N. J.*
Palmer, Phillips Barry	*Cazenovia, N. Y.*
Palumbo, Eugene Michael	*Ridgewood, N. J.*
Park, Sang Seek	*Seoul, Korea*
Parker, David Lowell	*Egypt, Mass.*
Patrick, Gerard Rowland	*Winchester, Mass.*
Pearle, David Lee	*Dallas, Texas*
Penner, David Albert	*Winchester, Mass.*
Perkins, John Helm	*Colorado Springs, Colo.*
Perles, Henry Andrew	*New York, N. Y.*
Phillips, Charles Roy	*Kenilworth, Ill.*
Pincus, Harry George	*New York, N. Y.*
Pite, William James	*East Haven, Conn.*
Piziak, Robert	*Hadley, Mass.*
Podell, Richard Neal	*Malverne, N. Y.*
Potter, David Leigh	*Wilmington, Del.*
Pough, Frederick Harvey, Jr.	*New York, N. Y.*
Probst, Robert Edward	*Baltimore, Md.*
Ramey, James North	*Bethesda, Md.*
Raymond, Stephen Leigh	*Pittsburgh, Pa.*
Rediker, Stephen Mark	*New York, N. Y.*
Reichardt, John Joseph	*Elmwood, Conn.*
Reilly, Terence Douglas	*Livingston, N. J.*
Remington, John Alvah	*Rochester, N. Y.*
Rice, Willard Gardner, Jr.	*Worcester, Mass.*
Rich, Stephen Knox	*Buffalo, N. Y.*
Richards, David Henry	*Chappaqua, N. Y.*
Richardson, Gordon	*Gettysburg, Pa.*
Ridley, Dennis Raymond	*Portland, Ore.*
Romer, Henry Fiske	*Lexington, Mass.*
Rosenn, Daniel Wohl	*Kingston, Pa.*
Ross, David Bennet	*Oak Park, Ill.*
Ross, Richard Rand	*Whitestone, N. Y.*
Rubinstein, Peter Jay	*New York, N. Y.*
Ruppe, John Paul	*Rutland, Vt.*
Sandler, Mark Joseph	*West Hartford, Conn.*
Santonelli, Robert	*Wakefield, Mass.*
Sarvis, Richard Smith	*Hillsdale, N. J.*
Schmerler, Gilbert Richard	*Baltimore, Md.*

Schneider, Allan Herbert	*New York, N. Y.*
Schoepfer, Arthur Edward, Jr.	*Wellesley Hills, Mass.*
Schotté, Richard Theodore	*Amherst, Mass.*
Scribner, David Edward	*Hudson, Ohio*
Segal, Terry Philip	*West Newton, Mass.*
Shaw, Richard Biller	*Garden City, L. I., N. Y.*
Sheinin, Matthew Gilbert	*Brooklyn, N. Y.*
Sheldon, Harvey Maynard	*Winnetka, Ill.*
Shepherd, James Banks, Jr.	*Charleston, W. Va.*
Sigafoos, David Harvey	*Line Lexington, Pa.*
Sim, Ian Mackenzie	*Mexico City, Mexico*
Simmon, Vincent Fowler	*Toledo, Ohio*
Sletteland, Greggar Perry, Jr.	*Glenview, Ill.*
Sloss, Charles Stanley	*Glenwood Springs, Colo.*
Smith, Stephen Eaton	*Amherst, Mass.*
Sommer, Charles Scudder	*St. Louis, Mo.*
Sonenstein, Burton	*Waterbury, Conn.*
Soskis, David Aaron	*Brooklyn, N. Y.*
Sparks, Richard Edward	*New York, N. Y.*
Spielman, Jon Morris	*Short Hills, N. J.*
Stauffer, Richard Scull, Jr.	*York, Pa.*
Steffens, James Jeffrey	*Devon, Pa.*
Stern, Paul Clinton	*New York, N. Y.*
Stiglitz, Joseph Eugene	*Gary, Ind.*
Stiles, Frank Garfield, III	*Glen Rock, N. J.*
Stoudt, Geoffrey Marshall	*Reading, Pa.*
Stover, Charles Clark, III	*Colonia, N. J.*
Stringer, David Hall	*Darien, Conn.*
Summers, Clarke Carney	*Naperville, Ill.*
Sunley, Emil McKee, Jr.	*Denver, Colo.*
Sussman, George David	*Manhasset, N. Y.*
Tague, Phillip Arthur	*Augusta, Kan.*
Talbott, John Carlile	*Poland, Ohio*
Tannous, David Khalid	*Annandale, Va.*
Tavano, Richard John	*Milford, Mass.*
Tendler, Robert Kanof	*Washington, D. C.*
Theodossiades, Nicolas Panayiotis	*Athens, Greece*
Thompson, Charles William, Jr.	*Chicago, Ill.*
Tucker, William Gordon, Jr.	*Mountain Lakes, N. J.*
Turgeon, Thomas Snyder	*Amherst, Mass.*
Vesterman, William Robert	*Glen Ridge, N. J.*
Wadleigh, Wells Eggleston	*New London, Conn.*
Wanlass, George Ralph	*Wyoming, Ohio*
Wasserstrom, Silas Jonathan	*Hartsdale, N. Y.*
Weary, William Arthur	*London, England*
Weaver, Thomas Garrard	*Larchmont, N. Y.*

Weissberg, Daniel Leo	*Elizabeth, N. J.*
Wesby, Joseph Spencer, III	*Worcester, Mass.*
White, George Harris	*Sharon, Mass.*
Whitmore, Chatland Bosler, Jr.	*Skaneateles, N. Y.*
Williams, Marquis Kenneth	*Medfield, Mass.*
Wilson, Joseph McCune, III	*Wilmington, Del.*
Wilson, Robert Merrill	*Amherst, Mass.*
Wintersteiner, Peter Prest	*New Brunswick, N. J.*
Witholt, Bernard	*Philadelphia, Pa.*
Wood, William Archibald, III	*Hudson Heights, Quebec, Canada*
Yager, George Frithiof	*Cortland, N. Y.*
Youmell, Robert Francis	*West Springfield, Mass.*
Zehner, Robert Bolles	*Nyack, N. Y.*
Ziegler, William Russell	*Wilton, Conn.*
Ziemba, Ronald Stanley	*Chicopee Falls, Mass.*

SOPHOMORES—*Class of 1965*

Alcivar, Michael Luis	*New York, N. Y.*
Aldrich, Robert Anderson, Jr.	*Seattle, Wash.*
Ancel, Fredric Davis	*Glencoe, Ill.*
Arnault, Ronald James	*Hornell, N. Y.*
Austin, David Elbert	*Norton, Mass.*
Ayers, Charles McKendree	*Riverside, Conn.*
Bancroft, Peter	*Waterville, Maine*
Bancroft, Stephen	*Waterville, Maine*
Bartlett, Geoffrey McSwain	*Weston, Mass.*
Bartlett, Michael John	*Rumson, N. J.*
Bassos, George	*West Hartford, Conn.*
Beach, David Warren	*San Diego, Calif.*
Bech, Gary Ralph	*Beaverton, Ore.*
Behnke, Michael Clare	*Grand Rapids, Mich.*
Bendiner, William Paul	*Huntington, N. Y.*
Benkovich, Andrew Zoltan	*Rocky Hill, Conn.*
Bick, Michael Sagalyn	*Springfield, Mass.*
Bleckner, Jeffrey Alan	*Malverne, N. Y.*
Bloch, Ralph Howard	*Scarsdale, N. Y.*
Boe, John M.	*Ridgewood, N. J.*
Boone, William Daniel	*Chevy Chase, Md.*
Booth, Stephen Paul	*Pittsfield, Mass.*
Bourne, Richard Curtis	*Fairfax, Va.*
Bretl, John Cameron	*Pewaukee, Wis.*
Buechner, William Robert	*Fairborn, Ohio*
Bump, Benjamin	*Hampden, Mass.*
Bump, Jerome Francis Anthony	*St. Paul, Minn.*
Bumpus, Peter Kirke	*Grosse Pointe, Mich.*
Bunting, Charles Ingraham	*Cambridge, Mass.*

Burt, David Reed	*Millburn, N. J.*
Caldwell, Julius Alexander, IV	*New Haven, Conn.*
Carr, Stephen Wentworth	*Waltham, Mass.*
Chessen, Douglas Howell	*Denver, Colo.*
Clarke, Peter Parlee, II	*Longmeadow, Mass.*
Cobb, Benjamin Dyer	*Newton Centre, Mass.*
Comfort, Joe Robert	*Haworth, N. J.*
Cousens, Kenneth Gabriel	*Highland Park, Ill.*
Creed, William Everett	*Yorktown Heights, N. Y.*
Daniel, William Warren, Jr.	*New York, N. Y.*
Davis, Julian Raymond, Jr.	*Lanham, Md.*
Deegan, Daniel John	*Tonawanda, N. Y.*
Denburg, Jeffrey Lewis	*Brooklyn, N. Y.*
DePasqua, Jeffery	*Needham, Mass.*
Derge, Jeffery Gesell	*Pittsburgh, Pa.*
Dermon, Edward Stanley	*White Plains, N. Y.*
Derow, Peter Sidney	*Newton Centre, Mass.*
Diver, Colin Stuart	*Lexington, Mass.*
Dorman, Harry Gaylord, III	*Worcester, Mass.*
Durkee, Stanley Bradford	*Alexandria, Va.*
Eastman, Allen Hill	*Wrentham, Mass.*
Eastman, Dwight Reid	*Lake Forest, Ill.*
Ehrmann, Paul Lawrence	*Hanover, N. H.*
Eide, Henry Hoy Mons	*Missoula, Mont.*
Ellenport, Samuel Bernard	*Union, N. J.*
Elliott, William Joseph	*Braintree, Mass.*
Elowitch, Robert Jason	*Portland, Maine*
Evans, Michael Alan	*New York, N. Y.*
Farber, Stephen Edward	*University Heights, Ohio*
Fernbach, Stephen Alton	*Hicksville, N. Y.*
Field, Robert Warren	*Chicago, Ill.*
Fortney, William Gordon	*Arlington, Va.*
Foster, James Robert	*New Canaan, Conn.*
Foster, Wood Robertson, Jr.	*St. Paul, Minn.*
Freeman, Richard Taylor	*Worcester, Mass.*
Furniss, Carl Thomas, Jr.	*West Hartford, Conn.*
Gallin, John Isaac	*New Rochelle, N. Y.*
Garrison, David Foss	*South Lincoln, Mass.*
Gates, Steven Munroe	*Dunnville, Ontario, Canada*
Gerber, Richard Borisow	*Washington, D. C.*
Giddings, Robert Fisk	*Old Bennington, Vt.*
Glickler, Elliot Lawrence	*Laurelton, N. Y.*
Goetzl, Robert John	*Amherst, Mass.*
Gordon, Ronald Michael	*Scranton, Pa.*
Gorenberg, David	*Jersey City, N. J.*
Gorth, William Phillip	*Buffalo, N. Y.*

Green, Marc Edward	*Shaker Heights, Ohio*
Green, Robert Alan, Jr.	*Harrison, N. Y.*
Greenberg, David Alexander S.	*Washington, D. C.*
Greenberg, Kenneth Joseph	*South Orange, N. J.*
Greene, Howard Edward, Jr.	*Charlotte, N. C.*
Guetti, Michael Charles	*Westfield, Mass.*
Gutmann, James Trafton	*Auburn, Maine*
Hahn, Jonathan Frederick	*Scarsdale, N. Y.*
Hall, Frederick Leslie	*Glen Rock, N. J.*
Hammer, Carl Inger, Jr.	*Duluth, Minn.*
Hannah, James Edward	*Elgin, Ill.*
Hardin, Nicholas Jackson	*Needham, Mass.*
Harriman, Edward Clements	*St. Paul, Minn.*
Harris, John Rockwell	*Great Neck, N. Y.*
Harsanyi, Zsolt Paul	*Carteret, N. J.*
Harwell, Coleman Alexander, II	*Franklin, Tenn.*
Hazen, James Robert	*Somerville, N. J.*
Henderson, Lawrence Walter	*Indianapolis, Ind.*
Horelick, James Michael	*Westport, Conn.*
Horn, Jeffrey Alan	*Scarsdale, N. Y.*
Horst, Thomas Osborn	*Beaver Falls, Pa.*
Howe, John Prentice, III	*Moscow, Idaho*
Ichioka, Victor Masaru	*Berkeley, Calif.*
Irvine, Andrew William	*Mexio City, Mexico*
Isgur, Jay August	*Northampton, Mass.*
Itzkowitz, David Carl	*Brooklyn, N. Y.*
Jacobi, William Graham	*Yonkers, N. Y.*
Jacobs, Jerold Lance	*Hewlett, N. Y.*
Joys, David Sanderson	*Milwaukee, Wis.*
Kahn, Edward Paul	*Chicago, Ill.*
Kamen, Robert Irwin	*New York, N. Y.*
Kasell, Walter Bert	*New York, N. Y.*
Kates, William Ward	*Elizabeth, N. J.*
Katz, Sherman Elliott	*Pittsburgh, Pa.*
Keebler, John Robert	*Sarvar, Pa.*
Keith, Brian Duncan	*Ridgefield, Conn.*
Kennedy, Dean Holt	*Glen Head, N. Y.*
Ketterer, Theodore, III	*Pittsburgh, Pa.*
Kidder, Rushworth Moulton	*Amherst, Mass.*
Killingsworth, Robert Blake, Jr.	*New Canaan, Conn.*
King, John Maurice Reymes	*Shelburne Center, Mass.*
Kirp, David Lewis	*Brightwaters, N. Y.*
Kittay, Jeffrey Samuel	*Port Chester, N. Y.*
Klinge, Dennis Stephen	*Tenafly, N. J.*
Klivans, Richard James	*Youngstown, Ohio*
Kniffin, Wayne D., Jr.	*Cleveland Heights, Ohio*

Kopp, Donald Alvin	*Berwyn, Pa.*
Lane, Clifford Warren, II	*Hingham, Mass.*
Lane, Stoddard, III	*Los Alamitos, Calif.*
Lawrence, Andrew Frank	*Mt. Kisco, N. Y.*
Leese, David Allen	*Hamburg, N. Y.*
Levey, Mark	*New York, N. Y.*
Levy, Paul Allen	*South Bend, Ind.*
Lewis, Frederick Dunbar	*Westport, Conn.*
Leyden, Richard Trafton	*Briarcliff Manor, N. Y.*
Loewer, Barry Monroe	*Bayside, N. Y.*
Long, Kirk Edward	*Orinda, Calif.*
Longsworth, Robert Whitten	*Hicksville, Ohio*
Lux, Warren Edward, Jr.	*Syosset, N. Y.*
Lyle, Edward West	*Washington, D. C.*
McAnulty, John Haynes	*Rochester, N. Y.*
McBride, Edwin Graham	*Sewickley, Pa.*
McCashin, James Patrick, II	*Pluckemin, N. J.*
McDonald, Angus William, Jr.	*Lexington, Ky.*
McDougall, Duncan Carl	*Wilmette, Ill.*
MacInnes, David Hudon	*Northampton, Mass.*
McMullin, Forbes Alexander	*Weston, Mass.*
MacNaughton, Donald Thomas	*Chatham, N. J.*
Mann, John Douglas	*St. Charles, Ill.*
Markoff, Lewis James	*New Haven, Conn.*
Mattingly, Michael Fenwick	*Washington, D. C.*
Mayer, Paul Julius	*Jamaica, N. Y.*
Meek, Peter Hunt	*Brookline, Mass.*
Menard, Albert Robert, III	*Boulder, Colo.*
Meredith, Jamison, Jr.	*Fairmont, W. Va.*
Merrill, John Warren	*South Hampton, N. H.*
Meyer, Juan Miguel	*Caracas, Venezuela*
Michaels, George Ralph	*Geneva, N. Y.*
Milkey, Robert William	*Bethesda, Md.*
Miller, Richard William	*Englewood, N. J.*
Mills, Christopher Avery	*Farmington, Mich.*
Mitchell, William Charles	*Brooklyn, N. Y.*
Morton, Alexander Lyall	*Glen Rock, N. J.*
Mudge, George Alfred	*Ruxton, Md.*
Murray, Patrick Judd	*Seattle, Wash.*
Myers, Lawrence Rutledge	*Oberlin, Ohio*
Nevin, Peter Lang	*Bay Shore, N. Y.*
Newell, William Henry	*Bellows Falls, Vt.*
Nickles, Peter Aristides	*Middletown, N. Y.*
Northrop, Jon	*Westfield, N. Y.*
Oliver, Harold Weeks, III	*North Caldwell, N. J.*
Parker, Geoffrey Sawyer	*Weston, Mass.*

Perry, Mark William	*Summit, N. J.*
Phillips, Geoffrey Leask	*Arlington, Va.*
Phillips, Richard Austin	*Portland, Me.*
Pinney, Peter Raymond	*West Hartford, Conn.*
Pitman, Roger Keith	*Port Washington, N. Y.*
Pohl, Michael Alan	*University Heights, Ohio*
Polgar, Tibor Thomas	*Bronx, N. Y.*
Poor, Thomas Martin	*Montclair, N. J.*
Post, David Anthony	*Alexandria, Va.*
Potter, Francis Edward, Jr.	*Longmeadow, Mass.*
Pradl, Gordon Morrell	*Watchung, N. J.*
Preston, Samuel Hulse, III	*Morrisville, Pa.*
Proulx, Paul Martin	*Biddeford, Me.*
Ransmeier, John Christian	*Concord, N. H.*
Reid, Christopher Breinig	*Buffalo, N. Y.*
Richardson, Fred Lee	*Columbus, Ohio*
Richter, Dale Allen	*Longmeadow, Mass.*
Rodger, Wallace Goodwin	*Hudson, Mass.*
Rohlfs, Jeffrey Herbert	*Miami, Fla.*
Rolf, Jon Erik	*Beverly Hills, Calif.*
Roselene, Edward Albert, Jr.	*Little Falls, N. J.*
Rosenheck, Stephen Druss	*New York, N. Y.*
Roufa, Donald Jay	*Clayton, Mo.*
Roush, Thomas Weld	*Peninsula, Ohio*
Rousseau, John Frederick, Jr.	*Chappaqua, N. Y.*
Rubinger, Richard	*Larchmont, N. Y.*
Ruxin, Paul Theodore	*University Heights, Ohio*
Salkever, David Simeon	*New Paltz, N. Y.*
Sansing, Johnny White	*Memphis, Tenn.*
Saphier, Jonathon Donald	*Greenwich, Conn.*
Savidge, George David	*Lambertville, N. J.*
Savinar, Tim Michael	*Portland, Ore.*
Schaschl, Fred Carl	*West Hartford, Conn.*
Schwartz, Andrew Norman	*St. Louis, Mo.*
Schwartz, David Alan	*Marblehead, Mass.*
Scott, Roger Huston	*Lansdowne, Pa.*
Sellers, John Marshall	*Longmeadow, Mass.*
Sequin, William Edward, Jr.	*Utica, N. Y.*
Sherman, Deming Eliot	*Providence, R. I.*
Siemens, Roger Albert	*Kentfield, Calif.*
Simon, Jack William	*Deal, N. J.*
Sims, Richard Maury, III	*Tiburon, Calif.*
Skinner, Blake Halcyon	*Yonkers, N. Y.*
Smith, David Bruce	*Canton, Ohio*
Soper, Davison Eugene	*Milwaukee, Wis.*
Soule, Arthur Bradley, III	*Burlington, Vt.*

Spencer, Samuel Burchard	*Middlebury, Conn.*
Stachenfeld, Avi Joel	*Brooklyn, N. Y.*
Statler, Stuart Michael	*Yonkers, N. Y.*
Stein, Gary George	*Valley Stream, N. Y.*
Stein, Richard Louis	*Los Angeles, Calif.*
Steinman, Howard Mark	*Detroit, Mich.*
Strang, Arthur Innis, III	*Schenectady, N. Y.*
Strimer, Robert Merrill, Jr.	*Delaware, Ohio*
Strnad, Ludek Jaroslav	*South Portland, Maine*
Stuart, Laird James	*Short Hills, N. J.*
Szekely, Peter Ross	*Danville, Calif.*
Tate, William Charles	*Rochester, N. Y.*
Taylor, Brian Brace	*Portland, Ore.*
Thorne, John Holden, Jr.	*New York, N. Y.*
Tinney, Douglas Hugh	*South Braintree, Mass.*
Titon, Jeff Todd	*New York, N. Y.*
Trees, George Spencer, Jr.	*Oakbrook, Ill.*
Tregillus, Craig Porter	*Yellow Springs, Ohio*
Tripp, Jeffrey Beresin	*Rydal, Pa.*
Tsuchida, Bruce Torao	*Floral Park, N. Y.*
Tuman, Daniel Martin	*New Orleans, La.*
Virtue, Kenneth Wayne	*Litchfield, Conn.*
Wahlert, John Howard	*Manhasset, N. Y.*
Walgren, Eric Lee	*Pittsburgh, Pa.*
Walker, Donald Albert, Jr.	*Grosse Pointe, Mich.*
Walsh, Birrell Thomas	*Corona del Mar, Calif.*
Ward, John Patrick, Jr.	*Fayetteville, N. Y.*
Washburn, Alexander Dillingham	*Greenwich, Conn.*
Waugh, Joseph Martin	*Verona, N. J.*
Welch, Oliver William	*St. Paul, Minn.*
Wells, Benjamin Gladney	*St. Louis, Mo.*
Wenk, Arthur Bampton	*Mountain Lakes, N. J.*
Wheeler, Michael Allen	*Gloucester, Mass.*
Williams, John Richard	*Washington, D. C.*
Williams, Junius White	*Richmond, Va.*
Williams, Robert Lee	*Seattle, Wash.*
Wilson, John William, III	*Cherry Hill, N. J.*
Winsby, David George	*St. Louis, Mo.*
Wintroub, Bruce Urich	*Omaha, Neb.*
Wolff, Bruce Stuart	*Great Neck, N. Y.*
Woodbury, Ronald Glen	*Reading, Mass.*
Yaverbaum, Harvey Joel	*Brooklyn, N. Y.*
Young, Stephen Randall	*Shaker Heights, Ohio*
Zeiller, Howard	*Upper Saddle River, N. J.*
Zimmerman, Edward Austin	*Algonquin, Ill.*

FRESHMEN—*Class of 1966*

Abbott, Robert Thorne	*West Islip, N. Y.*
Alcaly, Peter James	*New York, N. Y.*
Allen, John Merithew, Jr.	*Wayne, Pa.*
Andorsky, Michael Bruce	*West Hartford, Conn.*
Angleman, John Douglas	*Chatham, N. J.*
Atkinson, Charles Ora	*Hingham, Mass.*
Atlas, Jay David	*Houston, Texas*
Atwood, Harold Shuttleworth, III	*West Caldwell, N. J.*
Bacon, Kenneth Hogate	*Amherst, Mass.*
Bergman, William Leslie	*Westbury, N. Y.*
Birtek, Mehmet Faruk	*Istanbul, Turkey*
Black, Leslie Francis	*Larchmont, N. Y.*
Blackey, Theodore David	*New York, N. Y.*
Blake, Julian Gaskill	*Rumson, N. J.*
Bloom, Marshall Irving	*Denver, Colo.*
Bloom, Paul Barry	*Manhasset, N. Y.*
Boicourt, William Closson	*Amherst, Mass.*
Bowen, Paul Davis	*DeKalb, Ill.*
Bracklow, Manfred Heinz	*Kerhoukson, N. Y.*
Breed, Charles Everett	*Arlington, Va.*
Browder, David Sheldon	*Wilmette, Ill.*
Browne, Peter Morse	*Brunswick, Me.*
Buechner, Jay Stark	*Fairborn, Ohio*
Buehler, Peter Kane	*Upper Montclair, N. J.*
Bugli, Mark Rolleston	*Bedford, N. Y.*
Bump, Jonathan	*Weston, Mass.*
Burwell, Brian Rocco	*Freeport, Me.*
Butler, Paul William	*Wakefield, Mass.*
Caley, Richard Morgan	*West Hartford, Conn.*
Carson, Robert Prescott	*North Wilmette, Ill.*
Chenoweth, Michael Oliver	*Richmond, Ind.*
Christie, Peter Louis	*Bedford, N. Y.*
Chuba, Daniel Paul	*Buffalo, N. Y.*
Clark, Alden Samuel	*Newton, Mass.*
Clark, Benedict Charles	*Rochester, N. Y.*
Clark, Russell Gould, Jr.	*Middlebury, Conn.*
Clarke, Samuel Henry	*Florence, Mass.*
Coffee, John Collins, Jr.	*Manhasset, N. Y.*
Collins, Halsey Bingham	*Chevy Chase, Md.*
Coords, Deane Schuyler	*New York, N. Y.*
Corey, William Theodore, Jr.	*Johnstown, Pa.*
Cornelius, Charles Boyer Richards	*Providence, R. I.*
Crow, Allen Faden	*Grosse Pointe, Mich.*
Culverwell, David Trevor	*New York, N. Y.*

Currier, Chester Searle	*Greenwich, Conn.*
D'Avanzo, Thomas Anthony	*West Hartford, Conn.*
Davis, Ames	*Nashville, Tenn.*
Davis, John Shuster	*Philadelphia, Pa.*
deVoursney, John Andrew	*Palos Park, Ill.*
Dimock, Arthur Wellwood	*Amherst, Mass.*
Dimond, Paul Raymond	*Ann Arbor, Mich.*
Dittmar, James Starke	*Pittsburgh, Pa.*
Donovan, Peter Williams	*Port Washington, N. Y.*
Dowse, Harold Burgess	*Albany, N. Y.*
Dratt, Arnold Henry	*Massapequa Park, L. I., N. Y.*
Drury, Geoffrey	*Sheffield, Mass.*
Dukes, William David	*West Hartford, Conn.*
Dunlap, Douglas Allan	*Nashua, N. H.*
Dustin, William Knight	*Buffalo, N. Y.*
Dworkin, Eric John	*Roslyn Heights, N. Y.*
Dwyer, Michael Watson	*St. Louis, Mo.*
Eggler, Bruce Willis	*New Orleans, La.*
Eldredge, Charles Child	*East Greenwich, R. I.*
Evans, Robert John	*Pelham Manor, N. Y.*
Fay, Henry Jonathan	*Chicopee Falls, Mass.*
Fiencke, George	*Bronxville, N. Y.*
Fierstine, Charles Morton	*University City, Mo.*
Fine, Jeffrey Mark	*Newton, Mass.*
Firman, Thomas Randolph	*Port Washington, N. Y.*
Fisher, Peter Randolph	*Briarcliff Manor, N. Y.*
Fleisher, Robert London	*Silver Spring, Md.*
Forry, John Ingram	*Warson Woods, Mo.*
Frankel, Jerold Martin	*Atlanta, Ga.*
Freeman, John Howard	*Worcester, Mass.*
Froling, Stephen Roy	*Denver, Colo.*
Gallagher, Paul Bernard	*Great Neck, N. Y.*
Giarratana, John Victor, Jr.	*Wakefield, Mass.*
Giese, William Herbert	*Wellesley, Mass.*
Gingiss, Randall Jon	*Winnetka, Ill.*
Goodell, James Pierpont Bartlett, Jr.	*Jamestown, N. Y.*
Goodwin, Jonathan Hall	*Atlanta, Ga.*
Gordon, Robert Dana	*Hewlett Harbor, N. Y.*
Gottesman, Mark	*Succasunna N. J.*
Gower, Laurence Chapin	*Attleboro, Mass.*
Green, Michael	*Lynbrook, N. Y.*
Greenblatt, David John	*Newton Highlands, Mass.*
Grossinger, Richard Selig	*New York, N. Y.*
Guittard, John Roscoe	*Dallas, Texas*
Guyer, Mark Samuel	*Lynbrook, N. Y.*
Hall, John Stuart	*West Redding, Conn.*

Ham, George Caverno, Jr.	*Chapel Hill, N. C.*
Hamer, Andrew Marshall	*Lexington, Mass.*
Hard, Lawrence Edward	*Franklin, Mich.*
Harris, Alan Wheeler, Jr.	*Hawthorne, N. J.*
Hart, John Ellsworth	*Wellesley, Mass.*
Hartman, Paul Tupper, Jr.	*St. Louis, Mo.*
Hatch, Thomas Phillips	*Nutley, N. J.*
Hazlett, Thomas Milligan	*Evanston, Ill.*
Herold, Joseph Justin, III	*Rye, N. Y.*
Hethington, Dean Edward	*Philadelphia, Pa.*
Higbie, James Howard	*Bethesda, Md.*
Hill, James Daniel, Jr.	*Bethesda, Md.*
Hill, Richard Headley	*Rochester, Minn.*
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Hoffman, Jeffrey Alan	*Scarsdale, N. Y.*
Holden, James Douglas	*Clayton, Mo.*
Hood, John Billingsley	*Wilmington, Del.*
Hornick, Robert Newton	*Pittsburgh, Pa.*
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Hsu, Sam	*Jamaica, L. I., N. Y.*
Hubbard, Francis Alley	*Darien, Conn.*
Huberth, Jonathan Charles	*Lyme, N. H.*
Hunter, Robert William	*Meadowbrook, Pa.*
Isenberg, Elliott Stephen	*Forest Hills, N. Y.*
Jacknow, Charles Peter	*Elizabeth, N. J.*
Jackson, Samuel G., Jr.	*New Haven, Conn.*
Jacobs, George Hewitt	*Shavertown, Pa.*
Jacoby, John Burtner	*Birmingham, Mich.*
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Lamm, Leonard	*Brooklyn, N. Y.*
Lane, John David	*Princeton, N. J.*
Larrabee, Frederick Stephen	*Sherborn, Mass.*
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Leisinger, Albert Martin	*Bethesda, Md.*
Leopold, Bruce Carl	*Washington, D. C.*
Lerchen, Edward Hodson, Jr.	*Bloomfield Hills, Mich.*
Lewin, Robert David	*Malden, Mass.*
Lewis, John Linke	*Briarcliff Manor, N. Y.*
Lindbergh, Scott Morrow	*Darien, Conn.*
Lindley, John Mason	*Wilmington, Del.*
Ling, William Halstead	*Laurens, N. Y.*
Lipskin, Samuel Edmond	*Kew Gardens, N. Y.*
Liu, Korbin	*Washington, D. C.*
Lodwig, Siegfried Norbert	*Buffalo, N. Y.*
Lozner, Eugene Culver	*Syracuse, N. Y.*
Luedde, Charles Edwin	*St. Louis, Mo.*
Lycan, William Gregory	*Westfield, N. J.*
Lyster, Robert Carter	*Fairfield, Conn.*
McCammon, Stephen Robert	*Lakewood, Colo.*
McCann, David Richard	*Newton, Mass.*
McClare, Alan David	*Bronxville, N. Y.*
MacDonald, Douglas Murray	*New Canaan, Conn.*
McGrath, Hugh Peter	*Annapolis, Md.*
McKenzie, John Durward, Jr.	*Weston, Mass.*
MacLennan, John Alger	*Braintree, Mass.*
McMahan, Andrew Knight	*Great Falls, Va.*
MacMillan, John Richard	*Summit, N. J.*
McNett, Jamie Foster	*Hudson, O.*
Martula, David Thomas	*Hadley, Mass.*
Maurer, Evan Maclyn	*Maplewood, N. J.*
Maurer, Steven Albert	*Lancaster, Pa.*
Mayo, Frederic Breed, Jr.	*Swampscott, Mass.*
Mead, Lawrence Myers, III	*Huntington, N. Y.*
Meiklejohn, Alexander Moore	*Chicago, Ill.*
Mellor, Kirk	*Media, Pa.*
Merrill, Lawrence Everett	*North Penobscot, Me.*
Merson, John Cox	*Chapel Hill, N. C.*
Merson, Michael Howard	*Rockville Center, L. I., N. Y.*
Milestone, Ronald M.	*Merion, Pa.*
Miller, Melville DeSoto, Jr.	*Basking Ridge, N. J.*
Miller, Richard Allen	*Easton, Conn.*
Miller, Robert Finch	*Mogadishu, USOM, Somalia Republic*
Milmed, Paul Kussy	*Short Hills, N. J.*
Morine, David Edward	*Arlington, Mass.*

Morse, Richard Roger	*Marion, Kan.*
Morton, Albert Kent	*Concord, Mass.*
Mudge, Gilbert Horton, Jr.	*Ruxton, Md.*
Murphy, James Patrick, Jr.	*Missoula, Mont.*
Murray, Stephen Curran	*Seattle, Wash.*
Nania, Anthony Joseph	*Canaan, Conn.*
Norall, Peter Stewart	*London, England*
O'Connell, Daniel Helfenstein	*Chappaqua, N. Y.*
Oliver, Peter Norton	*Amherst, Mass.*
O'Loughlin, Peter Joseph	*Meriden, Conn.*
O'Neal, Edward Asbury, III	*New York, N. Y.*
O'Reilly, Bernard George	*LaGrange Park, Ill.*
Pardee, Schuyler, III	*New Vernon, N. J.*
Parel, James Christopher	*Arlington, Va.*
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Pinkowitz, Andrew Roger	*Bronx, N. Y.*
Pittman, John Wesley, Jr.	*Atlanta, Ga.*
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Platt, Kenneth Bowman	*Minneapolis, Minn.*
Powers, Alan William	*East Longmeadow, Mass.*
Rodgers, Dwight Foster	*Norwalk, Conn.*
Rogers, Winslow Smith	*West Lafayette, Ind.*
Rokoszak, Myron Chester	*South Deerfield, Mass.*
Rollins, Michael	*Portland, Me.*
Rose, Francis Leland, Jr.	*Haddonfield, N. J.*
Rosen, Jonathan Peter	*Westport, Conn.*
Rosenberg, Mark Jeffrey	*Maplewood, N. J.*
Rosiny, Allen Paul	*Monsey, N. Y.*
Rous, Walter	*Englewood, N. J.*
Rubenstein, Richard Arnold	*Dunkirk, N. Y.*
Rubenstein, Richard Wright	*Albany, N. Y.*
Rudd, Peter	*New York, N. Y.*
Russ, Charles Paul	*Garden City, N. Y.*
Sager, Anthony Paul	*New York, N. Y.*
Saklad, James Robert	*Providence, R. I.*
Sawyer, Kenneth Warren	*Little Silver, N. J.*
Sawyer, Peter Arnold	*Wheeling, W. Va.*
Scharnberger, Charles Kirby	*St. Louis, Mo.*
Schlosser, Kenneth Donald	*Great Neck, N. Y.*
Schwab, Sidney Mayer	*Portland, Ore.*
Senesky, Kurt George	*Somerville, N. J.*
Sessions, John Millard	*East Aurora, N. Y.*

Shahan, Keith Ewing	*St. Louis, Mo.*
Shain, William Geisse, Jr.	*Wayne, Pa.*
Sharefkin, John Bard	*Brooklyn, N. Y.*
Shepard, Victor Ronald	*Columbus, O.*
Smith, Malcolm Sydney	*Wethersfield, Conn.*
Snyder, William Lloyd, III	*Lancaster, Pa.*
Sperber, David N.	*Forest Hills, N. Y.*
Steele, Philip Lee	*Wethersfield, Conn.*
Stewart, John Tower	*West Hartford, Conn.*
Stewart, Rudolph Egan	*London, England*
Stillings, Neil Arthur	*Appleton, Wis.*
Storer, John Edgar, III	*Indianapolis, Ind.*
Sturges, Thomas Rush, II	*Ardsley-on-Hudson, N. Y.*
Sutton, Jonathan Stone	*Columbus, O.*
Swaney, John Brewster	*Monroe, Mich.*
Swift, Jonathan Gordon	*Middletown, Conn.*
Swisher, Peter Nash	*Louisville, Ky.*
Tamsky, Leonard Irwin	*University City, Mo.*
Taylor, Charles Roy	*Moorestown, N. J.*
Taylor, Herbert William, III	*Fayetteville, N. Y.*
Teasdale, John Robert, Jr.	*St. Paul, Minn.*
Tesch, Frederick Edwin	*Osage, Iowa*
Thalheimer, Louis Blaustein	*Scarsdale, N. Y.*
Thomas, Christopher Pearce	*North Hills, Pa.*
Tracy, Robert James	*Alexandria, Va.*
Trask, Charles Brian	*Bernard, Me.*
Ullian, Robert Mark	*Merrick, N. Y.*
Vine, John Mark	*Trenton, N. J.*
vonOesen, Henry Davis	*Wilmington, N. C.*
Wales, Douglas Guilbert	*Cohasset, Mass.*
Walker, James Vincent, Jr.	*Columbus, O.*
Ward, John Chapman	*Bronxville, N. Y.*
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Webb, Robert Allen	*Minneapolis, Minn.*
Weinstein, Philip Solomon	*Swampscott, Mass.*
Weiss, Gerard Hubbel	*Rome, N. Y.*
Wiley, Harold Howard, Jr.	*Lunenburg, Mass.*
Willbern, David Pierce	*Coffeyville, Kan.*
Wilson, Scott William	*Santa Barbara, Calif.*
Wise, Paul Landis, Jr.	*Rosemont, Pa.*
Wise, William Mason, III	*Hingham, Mass.*
Wolff, Thomas Allan	*Bronxville, N. Y.*
Wolpaw, Jonathan Rickel	*Shaker Heights, O.*
Worthen, Thomas Fletcher	*Little Rock, Ark.*
Wray, Charles Kadel	*Nashville, Tenn.*

Wylie, Peter Bradford	*Darien, Conn.*
Zeigler, Donald Hazen	*Dexter, Mich.*

Special Students Not Enrolled as Candidates for a Degree

Ballereau, Allain	*Clermont-Ferrand, France*
Constantin, Patrick	*Algiers, Algeria*
Delaigue, Denis	*Villefranche, France*
Morrison, Jane E.	*Northampton, Mass.*
Schaefer, Marilyn M.	*Amherst, Mass.*
Senghaas, Wolfram-Dieter	*Baden-Wittbg, Germany*

Summary of Enrollment

Graduate Students	11
Seniors	241
Juniors	257
Sophomores	259
Freshmen	274
Students Not Enrolled as Candidates for a Degree	6
TOTAL	1048

CLASSIFICATION OF UNDERGRADUATES BY RESIDENCE

New York	248	Kansas	4
Massachusetts	136	Kentucky	4
New Jersey	95	North Carolina	4
Connecticut	82	Tennessee	4
Pennsylvania	70	Georgia	3
Illinois	43	West Virginia	3
Ohio	40	Alabama	2
Michigan	27	Louisiana	2
Missouri	27	Montana	2
Maryland	26	Nebraska	2
California	26	New Mexico	2
Virginia	18	Arkansas	1
Maine	15	Idaho	1
Minnesota	15	Japan	4
District of Columbia	14	England	3
Colorado	11	Canada	2
Wisconsin	10	Greece	2
Delaware	8	Korea	2
New Hampshire	8	Mexico	2
Rhode Island	8	France	1
Indiana	7	India	1
Iowa	7	Iran	1
Oregon	6	Nigeria	1
Texas	6	Peru	1
Vermont	6	Somalia Republic	1
Arizona	5	Turkey	1
Florida	5	Venezuela	1
Washington	5		
		TOTAL	1031

V

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(Annual Meeting in Commencement Week)

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Secretary-Treasurer:	J. Alfred Guest '33
Nominating Committee:	Robert E. Marshall '33, *Chairman* John E. Booth '23 Richard W. Poor '38 Harry V. Keefe, Jr. '43 Sterling L. Weaver '53
Inspectors of Election:	Roy R. Blair '18, *Chairman* William H. Ross '29 H. Hills Skillings '38
Committee to Nominate Alumni Trustees:	Howard O. Colgan, Jr. 32, *Chairman* Lucius E. Thayer '18 Edward C. Bursk '28 John Jeppson '38 Charles S. Keevil, Jr. '48

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Secretary: J. Alfred Guest '33

Executive Committee:

Everett M. Hicks '29, *Chairman*

Leonard P. Moore '19 — Miner D. Crary, Jr. '42

Leonard K. Guiler '35 — George L. Shinn '45

Edward N. Ney '46

Richard F. deLima '51

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1888 Albert S. Bard
1889 Edward Fairbank
1892 Allan P. Ball
1894 Cornelius S. Hurlbut
1899 Everett E. Thompson
1900 Osmond J. Billings
1901 Joseph Warner
1902 Louis R. Herrick
1903 Arthur T. Foster
1904 Ernest M. Whitcomb
1905 Claude M. Fuess
1906 George W. Porter
1907 John M. Waller
1908 Robert H. Kennedy
1909 H. Ladd Smith
1910 William R. Kellogg
1911 A. Harry Ehrgood
1912 C. Francis Beatty
1913 Frederick R. Haller
1914 Richard M. Kimball
1915 Stuart F. Heinritz
1916 Dean Blanchard
1917 Donald E. Temple
1918 Augustus W. Bennet
1919 Wilfred B. Utter
1920 Hubert R. Zeller
1921 Edward W. Hooker
1922 Edward S. O'Donnell
1923 L. Thurston Pendleton
1924 Richard S. Kyle
1925 Rome A. Betts
1926 Philip C. Raye
1927 Philip R. Chase
1928 Stephen Brown
1929 Everett M. Hicks
1930 Richard W. Loud
1931 Herbert J. Lyall
1932 Edward A. Buck
1933 John L. Van Woert
1934 John W. White
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1936 George B. Burnett, Jr.
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1948 Bruce K. Skipton
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VI

Appendix

Appendix

Scholarship Funds

The following is a list of the Scholarship Funds of the College, as of June 30, 1962, the income of which is available for Scholarships and other forms of Student Aid.

Frederick S. Allis Scholarship Fund	$ 4,065.00
Anderson Scholarship	1,870.00
Frank L. Babbott Scholarship	10,000.00
Lydia Richardson Babbott Endowment Fund	50,000.00
Danforth Keyes Bangs Scholarship Fund	4,000.00
Edmund P. Barker and Susan Marvin Barker Scholarship Fund	8,107.06
Seymour Israel Barowsky Scholarship Fund	5,000.00
Ivory H. Bartlett Scholarship Fund	5,000.00
Beecher Scholarship Fund	92,344.97
Albion F. Bemis Scholarship Fund	2,000.00
Borden Scholarship	1,870.00
Dolly Coleman Blake Scholarship Fund	1,000.00
Chandler Matthews Bray Scholarship Fund	19,932.08
William Louis Bray Class of 1858 Scholarship Fund	100.00
Bazil W. Brown, '53	200.00
Alexander H. Bullock Scholarship Fund	1,500.00
George M. Butler Class of 1897 Scholarship Fund	1,000.00
Butts Scholarship Fund	11,356.50
John A. Callahan Scholarship Fund	7,770.00
Joseph Carew Scholarship Fund	1,046.40
George B. Carter '06 Scholarship Fund	2,000.00
Centennial Gift	123,400.00
The Charitable Fund	134,499.78
Mrs. James Leon Chamberlain	1,000.00
Edwin Clapp Scholarship	4,625.00
Estate of Ellen C. Clapp	1,000.00
Jefferson Clark Scholarship Fund	10,000.00
The Lewis F. Clark Scholarship Fund	10,000.00
Class of 1826 Scholarship Fund	500.00
Class of 1831 Scholarship Fund	1,255.00
Class of 1836 Scholarship Fund	1,250.00
Class of 1839 Scholarship Fund	1,200.00
Class of 1844 Scholarship Fund	500.00
Class of 1845 Scholarship Fund	1,000.00
Class of 1846 Scholarship Fund	1,000.00
Class of 1849 Scholarship Fund	1,000.00
Class of 1850 Scholarship Fund	1,230.00
Class of 1852 Scholarship Fund	1,000.00

Class of 1853 Scholarship Fund	$ 1,500.00
Class of 1855 Scholarship Fund	1,121.83
Class of 1856 Scholarship Fund	1,000.00
Class of 1857 Scholarship Fund	1,500.00
Class of 1858 Scholarship Fund	1,250.09
Class of 1859 Scholarship Fund	2,650.00
Class of 1860 Scholarship Fund	3,000.00
Class of 1861 Scholarship Fund	3,000.00
Class of 1865 Scholarship Fund	1,008.31
Class of 1869 Scholarship Fund	2,670.76
Class of 1871 Scholarship Fund	2,186.11
Class of 1873 Scholarship Fund	5,000.00
Class of 1877 Scholarship Fund	2,500.00
Class of 1880 Scholarship Fund	3,038.96
Class of 1897 Scholarship	4,450.00
Composite Scholarship Fund—Classes of 1829, '35, '38, '66, '67, '70	1,262.28
Class of 1927 25-Year Memorial Fund	11,526.00
Class of 1928 25-Year Memorial Fund	14,107.00
Class of 1929 25-Year Memorial Fund	11,411.00
Class of 1930 25-Year Memorial Fund	20,123.00
Class of 1931 25-Year Memorial Fund	16,261.00
Class of 1932 25-Year Memorial Fund	25,317.36
Class of 1933 25-Year Memorial Fund	26,773.17
Class of 1934 25-Year Memorial Fund	19,827.31
Class of 1935 25-Year Memorial Fund	28,858.92
Class of 1937 25-Year Memorial Fund	37,324.71
Class of 1938 25-Year Memorial Fund	25,483.25
Class of 1939 25-Year Memorial Fund	8,501.70
Class of 1940 25-Year Memorial Fund	2,499.04
Class of 1941 25-Year Memorial Fund	2,244.59
E. C. Converse Scholarship Fund	50,000.00
George Cook Scholarship Fund	1,050.00
William Lyman Cowles Class of 1878 Scholarship Fund	3,000.00
Miner D. Crary Scholarship Fund	12,113.00
Crosby Memorial Scholarship Fund	27,000.00
Solomon Frederick Cushman '14 Loan Fund	1,000.00
William Cutler and Harriette Gilbert Cutler Memorial Scholarship	15,520.00
Day Benevolent Fund	5,000.00
John E. Day Scholarship Fund	4,000.00
Enos Dickinson Scholarship Fund	1,258.33
Sidney and Hannah Dillon Fund	5,000.00
The Dodge Fund	4,841.38
W. F. Draper Scholarship Fund	2,550.00
Charles R. Drew Memorial Scholarship	10,166.00

Estate of George H. Duncan '99	$ 2,000.00
Lucius R. Eastman Fund	10,000.00
James M. Ellis Fund	5,056.11
Robert Houghton Esty Scholarship Fund	10,086.48
Addison Alvord Ewing Scholarship Fund	9,000.00
Isaac D. Farnsworth Scholarship Fund	3,000.00
Iohn Fletcher '07	250.00
The Thomas P. Field Scholarship Fund	10,000.00
Fiske and Warren Scholarships	2,787.44
Daniel M. Galbreath Scholarship Fund	10,019.00
Augustine Milton Gay Scholarship Fund	5,056.44
Emerson Gaylord Scholarship Fund	8,000.00
Henry W. Giese Memorial Scholarship Fund	12,367.85
Jubal C. Gleason 1863 Scholarship Fund	10,000.00
Henry Hill Goodell Class of 1862 Scholarship Fund	2,000.00
Harry P. Greeley Scholarship Fund	15,256.06
Greene Scholarship	1,000.00
Greenfield Foundation	1,500.00
The Henry Gridley Scholarship of the Class of 1862	2,060.49
Vernon P. Gilbert Memorial Scholarship Fund	467,163.04
Estate of William O. Gilbert	107,589.02
Thomas Hale Scholarship Fund	1,000.00
George A. Hall Scholarship Fund	5,000.00
William Hilton Scholarship Fund	50,000.00
Hitchcock Scholarship Endowment	11,270.00
George Frisbie Hoar Fund	1,000.00
Clarissa Dodge Howard Scholarship Fund	10,000.00
William R. Howard Scholarship Fund	5,000.00
The Hubshman Foundation Scholarship Fund	32,980.00
John Montgomery Hunter Scholarship Fund	28,109.91
Mary W. Hyde Scholarship Fund	1,000.00
Sarah B. Hyde Scholarship Fund	1,000.00
Infirmary Aid Fund	2,100.00
A. J. Johnson Scholarship Fund of the Class of 1823	1,046.40
Victor S. Johnson Student Loan Fund	8,685.00
Edward P. Judd Memorial Scholarship Fund	15,492.00
Eugene Kimball Scholarship Fund	2,000.00
John C. Kimball Scholarship	1,000.00
Estate of John H. Klingenfeld	5 000.00
Knowles Scholarship Fund	3,000.00
Payne P. Larsen, in memory of Frederick B. Richardson	5,335.83
Andrew D. Lawrie Scholarship Fund	102,070.00
Henry Lobdell Scholarship Fund	2,000.00
George Long Memorial Scholarship Fund	745.00
Ludington Scholarship Fund	100,000.00
Charlotte Procknow McClelland Fund	500.00

George W. McFadden, Jr. Scholarship Fund	$ 5,554.97
McKinney Fund	397,825.58
Francis J. Marsh Memorial Fund	5,000.00
Charles Merriam Scholarship	2,415.00
Charles E. Merrill Scholarship Fund	24,000.00
Charles Morton Merrill Fund	100,000.00
J. C. B. Miller Scholarship Fund	1,000.00
Moore Beneficiary Fund	43,064.48
Charles F. Morse Scholarship Fund	225.00
Anson Daniel Morse Memorial Scholarship Fund	2,500.00
C. L. Morse Scholarship Fund	2,000.00
George A. Morse Memorial Scholarship Fund	46,758.51
Harold Ely Morse Memorial Scholarship Fund	2,500.00
J. C. Newton Scholarship Fund	1,230.00
Mabel H. Norton Scholarship Fund	500.00
LaVerne Noyes Foundation	60,630.09
Newton Scholarship Fund	1,000.00
Edward H. Perkins Jr. Scholarship Fund	5,000.00
Persian Scholarship Fund	2,082.85
Asa Clinton Pierce Scholarship Fund	5,000.00
Theodore B. Plimpton Scholarship Fund	12,989.59
George D. Pratt Scholarship Fund	49,462.50
President's Loan Fund	15,000.00
Reed Scholarships	2,500.00
George Milton Reed Scholarship Fund	5,056.11
Emily B. Ripley Scholarship Fund	1,000.00
S. Robinson Scholarship Fund	3,000.00
E. Russell Scholarship Fund	8,000.00
Lowell Russell Scholarship Fund	1,041.94
John E. Sanford Class of 1851 Scholarship Fund	10,000.00
Schroeder Memorial Fund	14,934.00
James S. Seymour Scholarship Fund	5,000.00
Estate of Mary Shores	8,000.00
Andrew Baird Simpson Scholarship Fund	5,000.00
Ellis R. Smith Scholarship Fund	500.00
Harry deForest Smith Scholarship Fund	5,316.76
Isaac F. Smith Student Loan Fund	19,577.22
Luther Ely Smith Memorial Fund	12,667.35
Wells Southworth—Class of 1822 Scholarship Fund	1,280.00
Special Endowment Fund No. 2	25,000.00
Charles J. Staples Memorial	25,000.00
Harold Parker Stevens Fund	32,964.17
Caleb Stimson Fund	19,900.00
Stone Educational Fund	25,000.00
Frederic N. Stone Scholarship Fund	4,924.17
Harlan F. Stone Memorial Scholarship Fund	35,000.00

Henry E. Storrs Scholarship Fund	$ 5,000.00
Charles Snow Thayer Scholarship Fund	1,000.00
L. H. Thayer Scholarship Fund	5,000.00
Estate of Etta B. Thompson	298 394.66
Elizabeth W. McCormick Tucker Scholarship Fund	1,000.00
Bessy Tucker Scholarship Fund	13,344.48
Quincy Tufts Scholarship Fund	2,000.00
Sarah Tuttle Scholarship Fund	1,042.00
W. S. Tyler of the Class of 1830 Fund	1,000.00
George H. Watson Memorial Fund	62,705.79
Edwin P. Wells Scholarship Fund	32,295.43
Whitcomb Scholarship Fund	12,000.00
Donald G. White Jr. Memorial Fund	4,098.00
Henry Kirke White Scholarship Fund	3,500.00
Herbert Otis White Scholarship Funds	12,000 00
Whitehall Foundation, Inc.	1,000.00
Estate of Herbert P. Whitney' 98	500.00
Elmer W. Wiggins Fund	127,644.19
Harry Wilbur Scholarship Fund	5,000.00
David Winslow Scholarship Fund	200.00
Henry Lawrence Wilkinson Memorial Fund	5,000.00
The Williams Scholarship Fund	257.80
Worcester Scholarship Fund	5,000.00
	$3,699,425.60

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